DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1030

CFETP 2A5X2
Parts I and II
SEPT 1997

AFSC 2A5X2

HELICOPTER MAINTENANCE

CAREER FIELD EDUCATION

AND TRAINING PLAN

CAREER FIELD EDUCATION AND TRAINING PLAN
HELICOPTER MAINTENANCE SPECIALTY
AFSC 2A5X2

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Supersedes: CFETP 2A5X2, October 1993
and AFJQS 457X1-101, May 1990
OPR: 362 TRS/RF-TM (R. Williams)

Approved By:
HQ USAF/ILMM, CMSgt Larry Funk
Number of printed pages: 86

PART II

Part I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. ***NOTE:*** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints, some examples are funds, manpower, equipment, facilities. Section E identifies transition training guide requirements for SSgt through MSgt.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course, core task, and correspondence course requirements; Section B contains the course objective list and training standards supervisors will use to determine if airmen satisfied training requirements. Section C identifies available support materials, an example is a Qualification training package (QTPs which may be developed to support proficiency training). These packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications.* Section D identifies a training course index supervisors can use to determine resources available to support training, included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document encapsulating the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person whom the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force career field managers (AFCFMs) identify as a minimum qualification requirement within an Air Force specialty or duty position. Core task identified with an *R are optional for AFRC and ANG.

Course Objective List (COL). A publication, derived from initial/advanced skills course training standard, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing and Conducting Military Training Programs.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a field training detachment (FTD) or by a mobile training team.

Instructional System Development (ISD). A deliberate and orderly, but flexible process for planning, developing, implementing, and managing instructional systems. It ensures personnel are taught in a cost efficient way the knowledge, skills, and attitudes essential for successful job performance.

Initial Skills Training. A formal resident course which results in award of the entry level.

Inter-service Training Review Organization (ITRO). A thorough review of all technical and technical skill training for possible consolidation of training by one service.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training conducted to certify personnel in both upgrade (skill level award) and job qualification (duty position certification) training.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an individual in a specific duty position. This portion of the dual channel on-the-job training program occurs both during and after the upgrade training process. It is designed to provide the performance skills required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being delivered.

Skills Training. A formal course which results in the award of a skill level.

Specialty Training. A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in the award of a skill level.

Specialty Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes skills and knowledge's that airman in a particular Air Force specialty needs on the job. It further serves as a contract between the Air Education and Training Command and the user to show the overall training requirements for an Air Force specialty code that the formal schools teach.

Standard. An exact value, a physical entity, or an abstract concept, established and defined by authority, custom, or common consent to serve as a reference, model, or rule in measuring quantities or qualities, establishing practices or procedures, or evaluating results. A fixed quantity or quality.

Total Force. All collective Air Force components (active, reserve, guard, and civilian elements) of the United States Air Force.

Training Capacity. The capability of a training setting to provide training on specified requirements, based on the availability of resources.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist Air Force career field managers in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Training Planning Team (TPT). Comprised of the same personnel as a U&TW, however TPTs are more intimately involved in training development and the range of issues are greater than is normal in the U&TW forum.

Training Setting. The type of forum in which training is provided (formal resident school, on-the-job, field training, mobile training team, self-study etc.).

Upgrade Training (UGT). Mandatory training which leads to attainment of higher level of proficiency.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and ATC training personnel that determines career ladder training requirements.

Section A - General Information

1. Purpose. This CFETP provides information necessary for Air Force Career Field Managers (AFCFM), MAJCOM functional managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in this AFS should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.

1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed training to support this AFSC must be identified for inclusion into plan.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review

of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

Section B - Career Progression and Information

4. Specialty Description.
4.1. **Specialty Summary.** Performs and supervises helicopter maintenance functions and activities. Inspects, repairs, maintains, and services helicopters and support equipment. Maintains aircraft forms and records. Performs crew chief functions. Related DoD Occupational Subgroup: 600.
4.2. **Duties and Responsibilities.**
4.2.1. Troubleshoots, inspects, repairs, and services helicopter aircraft, systems, and related equipment. Inspects and functionally checks helicopters, their structures and systems. Checks installed components for proper operation. Adjusts, aligns, and calibrates aircraft systems. Rigs, tracks, and balances rotor systems. Inspects for fuel leaks, corrosion, tire wear, skin damage, and cracks on aircraft. Accomplishes engine maintenance and ground handling tasks. Prepares and maintains inspection and maintenance records. Operates, inspects, and checks serviceability of powered and nonpowered ground support equipment. Inventories and inspects alternate mission equipment.
4.2.2. Stores and prepares aircraft for shipment, and performs crash recovery. Prepares for moving aircraft to and from storage. Disassembles helicopters for shipment and reassembles. Removes disabled aircraft. Uses emergency recovery equipment.
4.2.3. Advises on problems maintaining helicopters and related support equipment. Uses technical orders to diagnose and solve maintenance problems on airframe and engine related systems. Interprets inspection findings and advises on maintenance procedures to repair aircraft and related equipment.
4.2.4. Performs staff and supervisory management functions. Coordinates and adjusts individual and unit daily maintenance plans. Supervises and assists in launching and recovering aircraft. Ensures compliance with maintenance management directives. Initiates technical order deficiency and product quality deficiency reports. Reviews maintenance data collection summaries to determine trends, production effectiveness, and areas requiring corrective action.

5. Skill/Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career.
5.1. **Apprentice (3) Level.** Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course and Task Qualification Training and other exportable courses to progress in the career field. Once formal training is evaluated and the trainer task certifies trainee, the trainee may perform the task unsupervised.
5.2. **Journeyman (5) Level.** Once upgraded to the 5-level, a journeyman will enter into continuation training to broaden their experience base. Five-levels may be assigned job positions such as dispatch, test cell, secondary power, inspection dock, and various staff positions. Five-

levels should complete available FTD courses, and MAJCOM specific training. Individuals will attend the Airman Leadership School (ALS) after having 48 months in the Air Force. Five levels can be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for testing under WAPS. They should also consider continuing their education toward a CCAF degree.

5.3. **Craftsman (7) Level:** A helicopter craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, production supervisor, and task certifier. They may also be assigned to work in staff positions. Seven-levels should take courses or obtain added knowledge on management of resources and personnel, and attend the 7-level resident Crew Chief course. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

5.4. **Superintendent (9) Level.** A 9-level can be expected to fill positions such as flight chief, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside of their career AFSC are also recommended.

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Helicopter Maintenance career field. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. The following training decisions were made at the Helicopter Utilization and Training Workshop held at Fort Eustis VA, 25-27 June 1996.

6.1. Initial Skills. Changes were made to the H-53 MRT 3-level course for AFSC 2A5X2A which included deleting operational checks from hot training at Kirtland AFB, moving certification training on preflight and BPOs to Fort Eustis VA, deleting engine removal and installation, and adding external tank training to the course.

6.1.1. Minor changes were made to the 3-level ITRO course for AFSC 2A5X2B (H-60). Remove and install accumulator, transfer valve, dump valve, oil quantity switch, overspeed valve, and mast assembly were deleted. Training was deleted on mooring helicopters, cockpit seats, rigging (cyclic; collective, tail rotor) and align high speed driveshafts. Some STS items were reworded and other training requirements were increased. A training matrix was developed for a H-60 Mission Ready Technician (MRT) course to be conducted at a site to be determined. Certification training will be conducted on the 10 hour/14 day inspections, launch and recovery, towing and tow brake operator, operational check of the brakes, service tires, determine servicability of tires, pressure refuel team member, and connect and disconnect external electrical power.

6.1.2. Only minor changes were made in the 3-level course for AFSC 2A532C (H-1) course.

6.2. **Five Level Upgrade Requirements** Significant changes were made to the 5-level CDC course, which included downgrading/upgrading some items and deleting remove and install procedural steps from the course**.** Code levels in the CDC columns were changed to reflect ECI standards. There is no degradation in training content as a result of these code changes.

6.3. **Seven Level Upgrade Requirements.** A 7-level crew chief course was defined via message

in early 1997. There will be a specific helicopter course to provide enhanced training in troubleshooting helicopter utility, fuel, hydraulic, power plant, rotor, flight control, and transmission systems. Course is expected to start Jan 98.

6.4. **Proficiency Training.** Any additional knowledge and skill requirement which were not taught through initial or upgrade training were assigned to continuation training. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty position. Continuation training programs ensure individuals in the helicopter career field receive the necessary training at the appropriate point in their career. The training program identifies both mandatory and optional training requirements.

7. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:

7.1. **Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2. **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. **Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

7.3.1. **Technical Education** (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.

7.3.2. **Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.

7.3.3. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.3.4. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for

application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.3.5. **Program Elective** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

7.4. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. **Manpower Table.**

Table A6.1. Manpower Table.

	CMSgt	SMSgt	MSgt	TSgt	SSgt	SrA	Amn-A1C
Base Level	324	287	73	125	226	290	140
MAJCOM Staff	38	29	11	0	0	0	0
HQ USAF Staff	0	0	0	0	0	0	0
FOA/DRU	4	1	0	0	0	0	0
Joint/Other	12	9	0	0	0	0	0
Total	378	326	84	125	226	290	140

8.2. **Enlisted Career Path.**

Table A8.2. Enlisted Career Path				
Education and Training Requirements	**GRADE REQUIREMENTS**			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training school				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Complete 3 months duty position/apprentice experience **before** beginning journeyman training. - Minimum 15 months on-the-job training. - Complete appropriate CDC if/when available. - Must complete 18 months training (3 month apprenticeship plus 15 months OJT) for award of the 5-skill level.	A1C SrA	16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	**Trainer** - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
	Certifier - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

10. Specialty Qualification:

10.1**. Apprentice Level Training:**

10.1.1. **Specialty Qualification.** This information will be located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.1.1.1. **Knowledge**. Knowledge is mandatory of supply procedures, electrical theory, mechanical principles applying to aircraft; flight theory; hydraulic principles; concepts, and application of maintenance directives; maintenance data reporting; technical order use; and proper handling, use , and disposal of hazardous waste and materials.

10.1.1.2. **Education**. For entry into this specialty, completion of high school is desirable, with courses in mechanics, physics, hydraulics and electronics.

10.1.1.3. **Training**. For award of AFSC 2A532, completion of a basic helicopter maintenance course is mandatory.

10.1.1.4. **Experience.** None

10.1.1.5. **Other**. For entry into this specialty, normal color vision as defined in AFMAN 48-123.

10.1.2. **Training Sources and Resources.** Completion of J3ATP2A532 000, Helicopter Maintenance Apprentice (Fundamentals), J3AQP2A532A 002/J3ABP2A532A 002, Helicopter Maintenance Apprentice (H-53 MRT), J3ABP2A532C 001, Helicopter Maintenance Apprentice (H-1N), or J5ABA2A532B 000, H-60 Helicopter Repairer (ITRO) courses at Fort Eustis, VA satisfies the knowledge and training resource requirements for award of the 3-skill level.

10.1.3. **Implementation.** Entry into training is accomplished via new accessions or approved retraining from any eligible AFSC.

10.2. **Journeyman Level Training:.**

10.2.1 **Specialty Qualification.** This information will be located in the official specialty description in AFMAN 36-2108, paragraph 3.

10.2.1.1. **Knowledge.** Knowledge is mandatory of supply procedures, electrical theory, mechanical principles applying to aircraft; flight theory; hydraulic principles; concepts and application of maintenance directives; maintenance data reporting; technical order use; and proper handling, use , and disposal of hazardous waste and materials. In addition to the 3-level qualifications, an individual must be trained to perform duties at the 5-level to include the following: possess the knowledge and skills necessary to maintain aircraft systems, be task qualified on inspecting aircraft systems and components, basic troubleshooting of systems and components, removal and installation of system components, repairing and replacing system components, and performance of operational checks of systems and components.

10.2.1.2. **Education.** There is no formal education requirements for upgrade to the 5 level.

10.2.1.3. **Training.** For award of AFSC 2A552, completion of the 2A552 CDC course, certification on all core tasks, and approval of supervisor are mandatory.
10.2.1.4. **Experience.** Qualification in and possession of AFSC 2A532. Also, experience in functions such as repairing and maintaining helicopter aircraft and systems, and powered and nonpowered ground support equipment.
10.2.1.5. **Other.** For entry into this specialty, normal color vision as defined in AFMAN 48-123.
10.2.2. **Training Sources and Resources.** Completion of the 2A552 CDC along with supervisor certification on duty position and core task training requirements represent the resources needed for award of the 5-skill level.
10.2.3. **Implementation.** With supervisor approval, personnel may enter 5-level upgrade training and enroll in CDCs after a minimum of 3 months experience. The period of OJT training is approximately 18 months for completion of all upgrade requirements. It is recognized that some new helicopter personnel will be ready for upgrade training at 3 months, some will need more time. CDCs may be ordered one month prior to the start of the 5-level upgrade training period.
10.3. **Craftsman Level Training:**
10.3.1 **Specialty Qualification.** This information will be located in the official specialty description in AFMAN 36-2108, paragraph 3.
10.3.1.1. **Knowledge.** Knowledge is mandatory of supply procedures, electrical theory, mechanical principles applying to aircraft; flight theory; hydraulic principles; concepts and application of maintenance directives; maintenance data reporting; technical order use; and proper handling, use , and disposal of hazardous waste and materials.
10.3.1.2. **Education.** There is no formal education requirements for upgrade to the 7 level.
10.3.1.3. **Training.** Completion of course J3ACR2A572 000 at Sheppard AFB TX and CDC 2A572, and supervisor certification of Air Force directed core tasks and required duty position training represent the resources required for award of the 7-skill level.
10.3.1.4. **Experience.** Qualification in and possession of AFSC 2A552. Also, experience performing or supervising functions such as installing, repairing, inspecting, maintaining, or overhauling helicopter aircraft and systems, and powered and nonpowered ground support equipment.
10.3.1.5. **Other.** None
10.3.2. **Training Sources and Resources.** Course J3ACR2A572 000, CDC 2A572, and On-the-job training are the resources required for award of the 7-skill level.
10.3.3. **Implementation.** Prior to being selected for school, certain mandatory requirements must be met: (1) possess 2A552; (2) be a SSgt-selectee or higher; (3) have supervisor-verified completion of Air Force directed core tasks and all duty position tasks; (4) completion of CDC 2A572; (5) minimum OJT period of 12 months before going to the resident course.
10.4. **Superintendent Level Training:**
10.4.1 **Specialty Qualification.** This information will be located in the official specialty description in AFMAN 36-2108, paragraph 3.
10.4.1.1. **Knowledge.** Knowledge is mandatory of: electrical and mechanical principles applying to aircraft and helicopter systems and related SE; concepts and application of maintenance directives; maintenance data reporting; interpreting and using maintenance data reports and technical orders; Air Force supply procedures; resource management; and proper handling, use,

and disposal of hazardous waste and materials.
10.4.1.2. **Education.** There is no formal education requirement.
10.4.1.3. **Training.** In addition to 7-level qualifications, an individual must be trained to perform duties at the 9-level to include the following: advanced skills and knowledge of concepts and principles in the management of maintenance efforts on helicopters and helicopter systems, efficient management and direction of aerospace repairs to include: planning and organizing resources, evaluating maintenance, interpreting and resolving technical problems, analyzing system and component failures and inspection results, determine optimum management procedures and requirements, and the management and projection of funds to support maintenance efforts and optimize mission accomplishment. Individuals must attain the rank of SMSgt, and successfully complete the Senior Non-Commissioned Officer Academy (SRNCOA) for award of the 9-skill level AFSC.
10.4.1.4. **Experience.** For award of AFSC 2A590, qualification in and possession of AFSC 2A571 or 2A572 is mandatory. Also, experience is mandatory managing or directing functions such as inspecting or maintaining aircraft or helicopters.
10.4.1.5. **Other.** None
10.4.2. **Training Sources/Resources.** Instruction received at the Senior NCO Academy and duty position qualification represent the required resources for upgrade to the 9-skill level.
10.4.3. **Implementation.** SNCOA quotas are central managed and disbursed by HQ AFMPC at the proper career points for eligible NCOs.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training:
12.1. **Fundamental Training Requirements Constraints.** The Helicopter Fundamentals Course does not have a digital propeller protractor for teaching purposes.
12.1.1. **Impact.** Students receive training only on the standard propeller protractor. This causes the field units to provide this training during OJT.
12.1.2. **Resources Required.** A digital propeller protractor to teach this requirement.
12.1.3. **Action Required.** The digital protractor is on order .
12.1.4. **OPR/Target Completion Date.** 362 TRS/Det 1. October 1998
12.2. **H-1 Specific Constraints.** There are no constraints for the H-1 Helicopter course.
12.3. **H-53 Specific Constraints.** Current CH-53A airframe and trainers (TCH-53B and C) are not configured to reflect the latest modifications and are not fully mission capable.
12.3.1. **Impact.** (a) The course provides some diminished training capability without newer airframes and parts (which are not available). The operational check of the flight controls is being performed on a flight control trainer which prevents the students from reaching full proficiency level because the trainer is patterned after an “A” model aircraft and does not allow completion of

the full check by the technical order. (b) The operational checkout of the first and second stage hydraulic system cannot be performed because the three system hydraulic test stand is not operational. (c) The removal and installation of the auxiliary fuel tanks cannot be performed because the current aircraft does not have the tanks installed. (Modification of this aircraft is cost prohibitive.)

12.3.2. **Resources Required.** MH-53J helicopter, operational three system hydraulic test stand, and the trainer modified to reflect up-to-date configuration.

12.3.3. **Action Required.** Procure the necessary aircraft, equipment, and modified trainer. Have the three system hydraulic test stand repaired/modified so it can be used in training.

12.3.4. **OPR/Target Completion Date.** 362 TRS/TRR. OCR: HQ AETC/TTR and WR-ALC/LUH. October 1998

12.4. **H-60 Specific Constraint.** Current Army course does not include training on the In-Flight Refueling probe and rescue hoist because the Army helicopters are not equipped with these items.

12.4.1. **Impact.** During the Air Force unique portion of the course the students receive only task knowledge training on the In-Flight Refueling probe and rescue hoist. This causes the field units to provide this training during OJT.

12.4.2. **Resources Required.** The H-60 In-Flight Refueling probe trainer and the rescue hoist trainer are currently being constructed at Sheppard AFB TX.

12.4.3. **Action Required.** Complete construction of the trainers and upon completion have them shipped to Ft Eustis VA.

12.4.4. **OPR/Target Completion Date.** 362 TRS/TRR. January 1998

12.5. **H-60 Specific Constraint.** No H-60 helicopter is available to conduct Air Force unique training.

12.5.1. **Impact.** During the Air Force unique portion of the course the students receive only task knowledge training on the track and balance of the main and tail rotors and the use of the 8500 analyzer.

12.5.2. **Resources Required.** H-60 helicopter to perform the training.

12.5.3. **Action Required.** The use of an Army H-60 helicopter is not an option. Submit an AFI 16-402 request for a Air Force H-60.

12.5.4. **OPR/Target Completion Date.** 362 TRS/TRR. January 1998.

12.6. **H-60 MRT Constraint.** The H-60 MRT course requires development.

12.6.1. **Impact.** Students do not receive training to the required proficiency level for the 10 hour/14 day inspection, use interphone, launch and recovery, tow team member and tow brake operator, service tires, determine serviceability of tires, pressure refuel team member, and connect and disconnect external electrical power. This requires the field units to provide this training during OJT.

12.6.2. **Resources Required.** Course development and resources.

12.6.3. **Action Required.** Develop a H-60 Hot training course to be conducted at a site to be determined. Submit resource estimates to HQ AETC/DOOI.

12.6.4. **OPR/Target Completion Date.** 362 TRS/TRR. October 1998

13. Five Level Training: No 5-level constraints exist.

14. Seven-Level Training:

14.1. **Constraints.** Seven level course will be on line 1 Jan 98. CDC is not in production due to

late hiring of CDC writer, subsequent attendance of required schools, and technical order difficulties.

14.1.1. **Impact.** Requirements will have to be delayed until CDC and course is on line.

14.1.2. **Resources Required.** All technical orders are on order, no delivery date has been established..

14.1.3. **Action Required.** Update all technical orders used for development.

14.2. **OPR/Target Completion Date.** OPR: 362 TRS/Det 1. October 1998

Section E. - Transitional Training Guide. N/A

Part II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by AETC for classes beginning with course J5ABA2A532B 002 (H-60); 24 March 1997, graduating 2 July 1997; course J3ABP2A532C 001 (H-1), 14 July1997, graduating 2 October 1997; and course J3AQP2A532A 002 (H-53), 1 April 1997, graduating 3 September 1997.

2. Purpose. As prescribed in AFI 36-2201, this STS:
2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level. Number task statements sequentially i.e., 1.1, 1.2, 2.1. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified by an */R are optional for AFRC and ANG. Certification on all shop/flightline core tasks applicable to at least one MDS aircraft assigned must be completed for skill level upgrade. Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not exempt if aircraft/equipment are assigned to another unit on base).
2.2. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.
2.3. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listings.
2.4. **Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.
2.5. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:
2.5.1. **Documentation.** Document and certify completion of training. Pages 19-21 must be filed in individual records. In addition, use of attachments one, two and six is mandatory in individual training records; use of attachments three, four, and five is optional depending upon duty position. Attachments seven and eight are not filed in individual training records; these attachments are used to identify student proficiency codes in AETC apprentice courses only. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: Training Completed, Trainee Initials, Trainer Initials, Certifier Initials (if applicable). An AFJQS may be used in lieu of Part II of the CFETP only upon approval of the AFCFM.

2.5.1.1. **Converting from Old Document to CFETP.** All AFJQSs and previous CFETPs were replaced by this CFETP; therefore, conversion of all training records to this CFETP is mandatory. Automated records, using Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For those tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter certifier's initials. The trainee will initial in the trainee's block. For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify with current date, certifier's initials, and trainee's initial.

2.5.1.2. **Documenting Career Knowledge.** When a CDC is not available: the supervisor identifies STS training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures: supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the STS. ***NOTE:*** Career Knowledge must be documented prior to submitting a CDC waiver.

2.5.1.3. **Decertification and Recertification.** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid (if the entries were made in ink) over the previously certified entry.

2.5.2. **Training Standard.** Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures.

2.6. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard and Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to 362 TRS/RF-TM; 613 10TH Avenue, Sheppard AFB TX, 76311-2352. Reference specific STS paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have received training on task/knowledge items

listed in this training standard. For a quick response to problems, call our customer service information line, Defense Switched Network (DSN) 736-5236, anytime day or night.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

WILLIAM P. HALLIN, Lieutenant General, USAF
DCS/Installations and Logistics

7 Attachments
1. Proficiency Code Key (Mandatory)
2. STS 2A5X2 Fundamentals (Mandatory)
3. STS 2A5X2 H-1 (Optional)
4. STS 2A5X2 H-53 MRT (Optional)
5. STS 2A5X2 H-60 (Optional)
6. STS 2A5X2 Support Equipment (Mandatory)
7. H-53 MRT Matrix (Not used in training records)
8. H-60 MRT Matrix (Not used in training records)

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written*)*	SSAN

Printed Name Of Training/Certifying Official And Written Initials	
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	**IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	**IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.)
	3	**IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.)
	4	**IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	**KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.)
	b	**KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.)
	c	**KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done and why each step is needed.)
	d	**KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	**KNOWS FACTS** (Can identify basic facts and terms about the subject.)
	B	**KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.)
	C	**KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.)
	D	**KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.)

Explanations

***** A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.

X This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).

Note: Tasks and knowledge items shown with an asterisk (*) in column one are trained during war time.

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 1 marked with an (*) are the task/knowledges that are trained in resident wartime courses. Items in column 2 marked with an (*R) are not required by AFRC and ANG for upgrade.												
A2.1.	CAREER PROGRESSION TR AFI 36-2108											
A2.1.1.	Progression in career ladder 2A5X2								A		-	-
A2.1.2.	Duties of AFS 2A532/52/72								B	-	-	-
A2.1.3.	Core values								-	B	-	-
A2.1.4.	Mobility								-	-	-	-
*A2.2.	SPECIFIC OPERATION SECURITY (OPSEC) VULNERABILITIES OF AFSC 2A5X2								A	-	-	-
A2.3.	AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFOSH STD 127 Series											
A2.3.1.	Safety precautions when TR: See applicable TO covering specific aircraft											
A2.3.1.1.	Using tools								A	B	-	-
A2.3.1.2.	Using equipment								A	B	-	-
A2.3.1.3.	Servicing aircraft systems											
A2.3.1.3.1.	Fuel								A	B	-	-
A2.3.1.3.2.	Oil								A	B	-	-
A2.3.1.3.3.	Compressed air and gases								A	B	-	-
A2.3.1.3.4.	Hydraulic								A	B	-	-
A2.3.1.4.	Performing aircraft maintenance								A	B	-	-
A2.3.2.	Practice housekeeping consistent with safety of personnel, equipment and environment								A	B	-	-
A2.3.3.	Safety precautions pertaining to TR: See applicable TO covering specific aircraft											
A2.3.3.1.	Engine air intake and exhaust								A	B	-	-
A2.3.3.2.	Hazardous noise TR: AFOSH STD 48-19								A	B	-	-
A2.3.3.3.	Rotor and turbine planes of rotation								A	B	-	-
*A2.3.3.4.	Antenna radiation								A	B	-	-
A2.3.3.5.	Aircraft electrical system								A	B	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.3.3.6.	Ground handling of aircraft								A	B	-	-
*A2.3.3.7.	Aircraft containing live ammunition and explosive material TR: AFI 91-201								A	B	-	-
A2.3.3.8.	Hazardous chemicals TR: AFOSH STD 161-21											
A2.3.3.8.1.	Use								B	-	-	-
A2.3.3.8.2.	Disposal								B	-	-	-
A2.3.3.8.3.	Federal Hazardous Communication Training Program								B	-	-	-
A2.3.4.	Fire extinguishers TR: AFI 32-2001; AFOSH STDs127-57: See applicable TO covering specific aircraft											
*A2.3.4.1.	Inspect	*							2b	B	-	-
*A2.3.4.2.	Position	*							2b	B	-	-
*A2.3.4.3.	Operate	*							b	B	-	-
A2.3.5.	Foreign object damage (FOD) prevention program TR: AFI 21-101								B	B	-	-
A2.4.	MAINTENANCE DIRECTIVES AND REFERENCES TR: AFI 37-160VI, AFPD 21-3, TOs 00-5-1, 00-5-2											
*A2.4.1.	TO system								B	B	-	-
A2.4.2.	Use technical publications (during job performance)	*							2b	B	-	-
*A2.4.3.	Use Air Force manuals and instructions	*							-	B	-	-
A2.4.4.	Update aircraft maintenance TO files								b	B	-	-
A2.4.5.	Initiate technical order improvement report								a	B	-	-
A2.4.6.	Use local maintenance operating instructions								-	-	-	-
A2.5.	MAINTENANCE MANAGEMENT											
A2.5.1.	Basic functions within maintenance TR: AFM 66-279, TO 00-20 series								A	B	-	-
*A2.5.2.	Maintenance data collection Core Automated Maintenance System								B	B	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
	TR: AFM 66-279, TO 00-20 series											
*A2.5.3.	Processing and controlling of material (reparable assets) TR: AFM 23-110								A	B	-	B
A2.5.4.	Debrief aircrews/CAMS TR: AFI 21-101								-	B	-	-
A2.5.5.	Management of training								-	A	-	B
A2.5.6.	Personnel management								-	-	B	B
A2.5.7.	Resources management								-	-	-	B
A2.5.8.	Budget management								-	-	-	A
A2.5.10.	Maintenance Accountability								-	-	C	-
A2.5.11.	Interrelationships of Resources								-	-	B	-
												B
												B
A2.6.	MAINTENANCE AND INSPECTION											
A2.6.1.	Maintenance types/categories/levels TR: AFI 21-101								A	B	-	-
A2.6.2.	Inspection concepts TR: AFI 21-101; TO 00-20 series								A	B	-	-
*A2.6.3.	Use maintenance data collection forms and CAMS TR: AFMs 66-279; TO 00-20 series								2b	B	-	A
A2.6.4.	Managerial Aspects of CAMS								-	-	-	A
A2.6.5.	Product Quality Deficiency report TR: TO 00-35D-54								A	B	-	-
A2.6.6.	Use of Product Quality Deficiency reporting forms TR: TO 00-35D-54	*							1a	B	-	-
*A2.6.7.	Use AFTO Form 781 series TR: TO 00-20 series	*							2b	B	-	-
A2.6.8.	Inventory aircraft -21 equipment TR: AFI 21-103								a	A	-	-
*A2.6.9.	Complete equipment condition tags TR: TO 00-20 series	*							1a	B	-	-
*A2.6.10.	Maintain support equipment forms such as AFTO Forms 244 and 245 TR: TO 00-20 series								2b	B	-	-
A2.7.	SUPERVISION											
A2.7.1.	Orient new personnel								-	-	-	A

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
	TR: AFIs 36-2108, 36-2202											
A2.7.2.	Assign personnel to work crews TR: AFI 21-101								-	-	-	-
A2.7.3.	Plan work assignments and priorities TR: AFI 21-101								-	-	-	A
A2.7.4.	Schedule work assignments TR: AFI 21-101								-	-	-	A
A2.7.5.	Establish											
A2.7.5.1.	Work methods								-	-	-	-
A2.7.5.2.	Controls								-	-	-	-
A2.7.5.3.	Performance standards TR: AFI 21-101								-	-	-	-
A2.7.5.4.	Evaluate work performance of subordinate personnel TR: AFI 36-2403								-	-	-	B
A2.7.5.5.	Resolve technical problem for subordinate personnel TR: AFI 21-101								-	-	-	B
A2.7.5.6.	Counsel personnel and resolve individual problems TR: AFI 36-2113								-	-	-	-
A2.7.5.7.	Initiate action to correct substandard performance by personnel TR: AFIs 36-2907, 36-3208								-	-	-	-
A2.8.	TRAINING TR: AFI 36-2201, 36-2101, AFMAN 36-2108											
A2.8.1.	Evaluate personnel to determine need for training								-	-	-	A
A2.8.2.	Plan and supervise OJT											
A2.8.2.1.	Prepare job qualification standards								-	-	-	A
A2.8.2.2.	Conduct training								-	-	-	A
A2.8.2.3.	Counsel trainees on their progress								-	-	-	A
A2.8.3.	Maintain training records								-	-	B	B
A2.8.4.	Evaluate effectiveness of training programs								-	-	-	A
A2.9.	MAINTENANCE MATERIALS AND TOOLS											
A2.9.1.	Hardware and securing devices											

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
	TR: TOs 1-1A-8, 44 series											
*A2.9.1.1.	Purpose								B	-	-	-
*A2.9.1.2.	Select	*							2b	B	-	-
*A2.9.1.3.	Use	*							2b	B	-	-
*A2.9.2.	Lubricants TR: See applicable TO covering specific systems								A	B	-	-
*A2.9.3.	Cleaning agents TR: TO 1-1-691								A	B	-	-
A2.9.4.	Handtools TR: AFOSH STDs 127 series: TO 32 series											
*A2.9.4.1.	Select								2b	-	-	-
*A2.9.4.2.	Maintain								2b	-	-	-
*A2.9.4.3.	Use								2b	-	-	-
*A2.9.4.4.	Practice Tool control	*							2b	A	-	B
A2.9.5.	Measuring devices TR: AFOSH STDs 127 series; TO 32 series											
A2.9.5.1.	Use propeller protractor											
*A2.9.5.1.1.	Standard								2b	B	-	-
*A2.9.5.1.2.	Digital								2b/x	-	-	-
*A2.9.5.2.	Use dial indicator	*							2b	-	-	-
*A2.9.5.3.	Use spring scales	*							2b	-	-	-
*A2.9.5.4.	Use depth gauges	*							2b	-	-	-
*A2.9.5.5.	Use tensiometers	*							2b	B	-	-
*A2.9.5.6.	Use torque wrenches	*							2b	B	-	-
*A2.9.5.7.	Use micrometers	*							2b	-	-	-
*A2.9.5.8.	Use blade checking and filling unit								2b	-	-	-
*A2.9.5.9.	Use tire gauges								2b	-	-	-
*A2.9.5.10.	Multimeter								A	-	-	-
*A2.9.6.	Aircraft electrical/electronic wiring connectors								A	-	-	-
A2.10.	RESPONSIBILITIES FOR SUPPLIES											
A2.10.1.	Maintenance supply concept TR: AFI 23-110								A	A	-	B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.10.2.	Critical item list TR: AFI 21-101								-	-	-	A
A2.10.3.	Use special requisition, issue, and turn-in slips TR: AFI 21-101; TO 00-20-3 (See II)								-	A	-	-
A2.10.4.	Order parts with CAMS TR: AFI 23-110	*R							1b	B	-	-
A2.10.5.	Prepare reparable or serviceable parts for turn-in TR: AFI 21-101; TO 00-20-3 (See II)								-	A	-	B
A2.10.6.	Depot Level Repair Concepts TR: AFI 23-110								-	-	-	B
A2.10.7.	Maintaining Equipment Accounts TR: AFI 23-110								-	-	-	B
A2.11.	HELICOPTER GENERAL											
A2.11.1.	Corrosion control program TR: TOs 1-1-691											
*A2.11.1.1.	Clean helicopter	*							b	B	-	-
*A2.11.1.2.	Identify presence of corrosion	*							1b	B	-	-
*A2.11.1.3.	Treat minor corrosion								-	B	-	-
*A2.11.1.4.	Evaluate corrosion								-	-	-	-
A2.11.2.	Helicopter markings TR: TO 1-1-4; See applicable TO covering specific aircraft								A	B	-	-
A2.11.3.	Assist in weight and balance functions TR: See applicable TO covering specific aircraft								-	A	-	B
*A2.11.4.	Use schematics/diagrams TR: See applicable TO covering specific aircraft		*						B	B	-	B
*A2.11.5.	Perform special maintenance required due to adverse weather TR: See applicable TO covering specific aircraft								A	-	-	-
A2.11.6.	Hazardous materials and waste handling IAW environmental standards											
*A2.11.6.1.	Types of hazardous materials/ fluids								B	-	-	-
*A2.11.6.2.	Handling procedures								B	-	-	-
*A2.11.6.3.	Storage and labeling								B	-	-	-
*A2.11.6.4.	Proper disposal								B	-	-	-
A2.12.	Troubleshoot Helicopter systems											

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.12.1. Utility systems								-	-	c	-
A2.12.2. Hydraulic systems								-	-	c	-
A2.12.3. Powerplant system								-	-	c	-
A2.12.4. Transmission/Drive systems								-	-	c	-
A2.12.5. Rotor systems								-	-	c	-
A2.12.6. Flight control systems								-	-	c	-
A2.12.7. Fuel Systems								-	-	c	-

FUNDAMENTAL TRAINING REQUIREMENTS

STS
2A5X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

H-1 Specific Items

STS
2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 1 marked with an (*) are the task/knowledges that are trained in resident wartime courses. Items in column 2 marked with an (*R) are not required by AFRC and ANG for upgrade.												
A3.	H-1 SPECIFIC ITEMS											
A3.1.	PERFORM AIRCRAFT INSPECTIONS TR: TO 00-20-5; See applicable TO covering specific aircraft											
A3.1.1.	Phase concept											
*A3.1.1.1.	Preflight	*							2b	-	-	-
*A3.1.1.2.	Thruflight	*							2b	-	-	-
*A3.1.1.3.	Basic postflight	*							2b	-	-	-
*A3.1.1.4.	7 day/10 hour	*							2b	-	-	-
*A3.1.1.5.	Phase								a	-	-	-
A3.1.2.	Supplemental inspections											
*A3.1.2.1.	Acceptance								a	-	-	-
*A3.1.2.2.	Calendar								a	-	-	-
*A3.1.2.3.	Special								a	-	-	-
*A3.1.2.4.	Hourly								a	-	-	-
A3.2.	USE COMMUNICATION EQUIPMENT TR: See applicable TO covering specific aircraft											
*A3.2.1.	Interphone								1a	A	-	-
A3.2.2.	UHF								-	-	-	-
A3.2.3.	VHF								-	-	-	-
A3.3.	PERFORM GROUND HANDLING TR: AFI 11-218, AFOSH STD 127 series, See applicable TO covering specific aircraft											
*A3.3.1.	Launch Helicopter	*							b	B	-	-
*A3.3.2.	Recover helicopter	*							b	B	-	-
A3.3.3.	Tow helicopter								-	-	-	-
*A3.3.3.1.	Perform as tow team member	*							2b	B	-	-
*A3.3.3.2.	Perform as tow vehicle operator								b	A	-	-
A3.3.3.3.	Perform as tow team supervisor								-	A	-	-
*A3.3.4.	Moor helicopter								b	B	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.3.5.	Jack helicopter											
*A3.3.5.1.	Perform as jacking team member	*							2b	B	-	-
A3.3.5.2.	Perform as jacking supervisor								-	-	-	-
*A3.3.6.	Level helicopter								2b	B	-	-
A3.3.7.	Load helicopter on transport vehicles TR: AFIs 24-206, 24-207, 24-208; AFPD24-2; TO 00-85								A	B	-	-
A3.3.8.	Disassemble helicopter for air shipment TR: See applicable TO covering specific aircraft								A	B	-	-
A3.3.9.	Reassemble helicopter after air shipment TR: See applicable TO covering specific aircraft								A	B	-	-
*A3.3.10.	Perform special maintenance required due to adverse weather TR: See applicable TO covering specific aircraft								A	B	-	-
A3.4.	AIRFRAME SYSTEMS TR: See applicable TO covering specific aircraft											
A3.4.1.	Construction features of airframe								A	B	-	-
A3.4.2.	Remove and install											
*A3.4.2.1.	Airframe components such as cowlings, panels, and doors	*							2b	-	-	-
*A3.4.2.2.	Cockpit seats								1a	-	-	-
*A3.4.2.3.	Windshields/ windows								a	-	-	-
*A3.4.2.4.	Tailboom/tail pylon								a	-	-	-
A3.5.	LANDING GEAR SYSTEMS TR: See applicable TO covering specific aircraft											
*A3.5.1.	Landing gear system operation								A	B	-	-
*A3.5.2.	Ground handling wheels operation								A	-	-	-
*A3.5.3.	Service ground handling wheels	*							2b	B	-	-
*A3.5.4.	Lubricate ground handling wheels	*							2b	-	-	-
*A3.5.5.	Perform landing gear deflection check								2b	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.5.6.	Remove and install											
A3.5.6.1.	Skid tubes	*							2b	-	-	-
A3.5.6.2.	Skid shoes	*							2b	-	-	-
A3.5.6.3.	Cross tubes	*							2b	-	-	-
A3.5.7.	Troubleshoot landing gear system								-	A	-	B
A3.6.	UTILITY SYSTEMS TR: See applicable TO covering specific aircraft											
*A3.6.1.	Utility system operation								A	B	-	-
*A3.6.2.	Perform operational check of											
*A3.6.2.1.	Hoist	*							2b	-	-	-
*A3.6.2.2.	Cargo hook								2b	-	-	-
*A3.6.2.3.	Heating and ventilating	*							2b	A	-	-
*A3.6.2.4.	Fire detection	*							2b	-	-	-
*A3.6.2.5.	Windshield wiper	*							2b	-	-	-
A3.6.3.	Remove and install											
*A3.6.3.1.	Cargo hook components								2b	-	-	-
*A3.6.3.2.	Cabin furnishings	*							2b	-	-	-
A3.6.3.3.	Hoist components											
*A3.6.3.3.1.	Cable								b	-	-	-
*A3.6.3.3.2.	Hook								b	-	-	-
A3.6.3.4.	Heating and ventilating system components								-	A	-	-
*A3.6.3.5.	Fire detection system components								b	-	-	-
*A3.6.3.6.	Windshield wiper system components	*							2b	-	-	-
A3.6.4.	Adjust											
*A3.6.4.1.	Windshield wiper arm	*							2b	-	-	-
*A3.6.4.2.	Cargo hook release								a	-	-	-
A3.6.5.	Service/lubricate											
A3.6.5.1.	Hoist								2b	-	-	-
A3.6.5.2.	Cargo Hook								-	-	-	-
A3.6.6.	Troubleshoot								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.6.6.1.	Hoist		*						-	-	-	-
A3.6.6.2.	Cargo Hook								-	-	-	-
A3.6.6.3.	Heating and ventilating								-	A	-	-
A3.6.6.4.	Fire detection		*						-	A	-	B
A3.6.6.5.	Windshield wiper								-	A	-	-
A3.7.	FLIGHT CONTROL SYSTEMS TR: See applicable TO covering specific aircraft											
*A3.7.1.	Rotor flight control system operation								A	B	-	-
*A3.7.2.	Perform operational check of flight control systems	*							2b	A	-	-
A3.7.3.	Remove and install											
*A3.7.3.1.	Control rods	*							2b	-	-	-
*A3.7.3.2.	Idlers	*							2b	-	-	-
*A3.7.3.3.	Bellcranks	*							2b	-	-	-
*A3.7.3.4.	Control stick	*							2b	-	-	-
*A3.7.3.5.	Force gradient	*							2b	-	-	-
*A3.7.3.6.	Magnetic Brakes	*							2b	-	-	-
*A3.7.3.7.	Synchronized elevators	*							2b	-	-	-
A3.7.4.	Rig											
*A3.7.4.1.	Cyclic		*						1b	A	-	B
*A3.7.4.2.	Collective		*						1b	A	-	B
*A3.7.4.3.	Tail rotor		*						1b	A	-	B
*A3.7.4.4.	Synchronized elevators		*						1b	A	-	B
*A3.7.5.	Lubricate flight controls	*							1b	-	-	-
A3.7.6.	Troubleshoot								-	-	-	-
A3.7.6.1.	Main rotor flight controls		*						-	A	-	B
A3.7.6.2.	Tail rotor flight controls		*						-	A	-	B
A3.8.	TRANSMISSION AND DRIVE SYSTEMS TR: See applicable TO covering specific aircraft											

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A3.8.1.	Transmission system operation								A	B	-	-
*A3.8.2.	Drive system operation								A	B	-	-
*A3.8.3.	Transmission oil system operation								A	B	-	-
A3.8.4.	Adjust transmission oil system								a	B	-	-
A3.8.5.	Align drive shafts											
*A3.8.5.1.	Main								b	B	-	-
*A3.8.5.2.	Tail								b	B	-	-
*A3.8.6.	Service transmission system	*							b	-	-	-
*A3.8.7.	Service drive system	*							b	-	-	-
A3.8.8.	Remove and install											
*A3.8.8.1.	Main gearbox	*							2b	-	-	-
*A3.8.8.2.	42 gearbox	*							2b	-	-	-
*A3.8.8.3.	90 gearbox	*							2b	-	-	-
*A3.8.8.4.	Oil cooler and blower	*							2b	A	-	-
*A3.8.8.5.	Main drive shaft	*							2b	-	-	-
*A3.8.8.6.	Tail rotor drive shaft	*							2b	-	-	-
*A3.8.8.7.	Mast assembly	*							2b	A	-	-
*A3.8.8.8.	Hanger bearing assembly	*							2b	-	-	-
*A3.8.8.9.	Chip detector	*							2b	-	-	-
*A3.8.8.10.	Main gearbox pump								2b	-	-	-
*A3.8.8.11.	Main gearbox oil filter and screen	*							2b	-		
A3.8.9.	Troubleshoot transmission system		*						-	A	-	B
A3.8.10.	Troubleshoot drive systems		*						-	A	-	B
A3.9.	ROTOR SYSTEM TR: See applicable TO covering specific aircraft											
*A3.9.1.	Main rotor system operation								A	B	-	-
A3.9.2.	Remove and install											
*A3.9.2.1.	Rotor head	*							2b	A	-	-
*A3.9.2.2.	Dampers	*							2b	-	-	-
*A3.9.2.3.	Pitch control rods	*							2b	-	-	-
*A3.9.2.4.	Rotor blades	*							2b	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A3.9.2.5.	Swashplate assembly	*							2b	-	-	-
*A3.9.2.6.	Stabilizer bar	*							2b	-	-	-
*A3.9.2.7.	Collective Sleeve assembly	*							2b	-	-	-
*A3.9.2.8.	Grip assembly	*							2b	-	-	-
*A3.9.2.9.	Mixing levers	*							2b	-	-	-
*A3.9.3.	Perform minimum blade angle check	*							2b	B	-	-
*A3.9.4.	Perform autorotation adjustment	*							2b	-	-	-
*A3.9.5.	Balance stabilizer bar	*							2b	-	-	-
A3.9.6.	Service											
*A3.9.6.1.	Damper system	*							2b	-	-	-
*A3.9.6.2.	Lube main rotor hub	*							2b	-	-	-
*A3.9.7.	Lubricate system components	*							2b	-	-	-
A3.9.8.	Troubleshoot main rotor system		*						-	A	-	B
*A3.9.9.	Tail rotor system operation								A	B	-	-
A3.9.10.	Remove and install											
*A3.9.10.1.	Blades	*							2b	-	-	-
*A3.9.10.2.	Head	*							2b	-	-	-
*A3.9.10.3.	Tail rotor hub bearing								-	-	-	-
A3.9.11.	Service/lubricate tail rotor								b	-	-	-
A3.9.12.	Troubleshoot tail rotor system								-	A	-	B
A3.10.	HYDRAULIC SYSTEMS											
	TR: See applicable TO covering specific aircraft											
*A3.10.1.	Hydraulic system operation								A	B	-	-
A3.10.2.	Perform operational check											
*A3.10.2.1.	#1 hydraulic system	*							2b	B	-	-
*A3.10.2.2.	#2 hydraulic system	*							2b	B	-	-
*A3.10.2.3.	Rotor brake	*							2b	B	-	-
A3.10.3.	Remove and install											
*A3.10.3.1.	Power cylinder	*							2b	-	-	-
*A3.10.3.2.	Integrated valve assembly								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A3.10.3.3.	Pumps	*							2b	-	-	-
*A3.10.3.4.	Filters	*							2b	-	-	-
*A3.10.3.5.	Rotor brake	*							2b	-	-	-
*A3.10.3.6.	Tail rotor power cylinder	*							2b	-	-	-
*A3.10.4.	Service Reservoirs	*							2b	-	-	-
A3.10.5.	Troubleshoot											
A3.10.5.1.	#1 hydraulic system		*						-	A	-	B
A3.10.5.2.	#2 hydraulic system		*						-	A	-	B
A3.10.5.3.	Rotor brake		*						-	A	-	B
A3.11.	POWER PLANT AND RELATED SYSTEMS TR: See applicable TO covering specific aircraft											
*A3.11.1.	Turboshaft engine operation								B	A	-	B
A3.11.2.	Power plant system operation											
*A3.11.2.1.	Ignition								B	B	-	-
*A3.11.2.2.	Fuel								B	B	-	-
*A3.11.2.3.	Oil								B	B	-	-
*A3.11.2.4.	Air particle separator system								B	B	-	-
*A3.11.2.5.	Engine actuating system								B	B	-	-
*A3.11.2.6.	Combining gearbox (CGB)								B	B	-	-
A3.11.3.	Remove and install											
*A3.11.3.1.	Oil pressure switch								2b	-	-	-
*A3.11.3.2.	Ignition unit								2b	-	-	-
*A3.11.3.3.	Ignitor plug								2b	-	-	-
*A3.11.3.4.	Tail pipe	*							b	-	-	-
*A3.11.3.5.	Chip detector								2b	-	-	-
A3.11.3.6.	Air particle separator								b	-	-	-
A3.11.3.7.	Engine								b	-	-	-
*A3.11.3.8.	Engine inlet	*							b	-	-	-
*A3.11.3.9.	Filters and screens								2b	-	-	-
A3.11.3.10.	Torque control unit								-	-	-	-
A3.11.3.11.	Fuel flow transmitter								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.11.3.12.	Fuel control								b	-	-	-
*A3.11.4.	Service engine oil system	*							b	A	-	-
A3.11.5.	Troubleshoot engine system								-	-	-	A
*A3.11.6.	Take engine oil samples (JOAP) TR: TOs 33-1-37, 42B2-1-9	*							a	-	-	-
*A3.11.7.	Clean engine compressor	*							b	-	-	-
A3.11.8.	Rig engine controls		*						b	A	-	B
A3.11.9.	Perform operational checks								-	-	-	-
A3.11.10.	Adjust engine settings								-	-	-	-
A3.12.	FUEL SYSTEM TR: See applicable TO covering specific aircraft; AFOSH STD 127 series											
*A3.12.1.	Fuel system operation								A	B	-	-
A3.12.2.	Perform operational check											
*A3.12.2.1.	Main	*							b	-	-	-
*A3.12.2.2.	Auxiliary	*							b	-	-	-
A3.12.3.	Refuel helicopter TR: TO 00-25-172											
A3.12.3.1.	Pressure procedure											
*A3.12.3.1.1.	Perform as refuel team member	*							1b	A	-	-
A3.12.3.1.2.	Perform as refuel team supervisor		*						-	-	-	-
A3.12.3.2.	Gravity procedure											
*A3.12.3.2.1.	Perform as refuel team member	*							1b	A	-	-
A3.12.3.2.2.	Perform as refuel team supervisor		*						-	-	-	-
A3.12.4.	Defuel helicopter TR: TO 00-25-172											
A3.12.4.1.	Pressure procedure											
*A3.12.4.1.1.	Perform as defuel team member	*							b	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.12.4.1.2.	Perform as defuel team supervisor		*						-	-	-	-
A3.12.4.2.	Suction procedure											
A3.12.4.2.1.	Perform as defuel team member								b	A	-	-
A3.12.4.2.2.	Perform as defuel team supervisor								-	-	-	-
*A3.12.5.	Prepare helicopter for fuel cell maintenance TR: TOs 00-25-172, 1-1-3	*							a	A	-	-
A3.12.6.	Remove and install											
*A3.12.6.1.	Filters	*							2b	-	-	-
*A3.12.6.2.	Auxiliary tanks								-	-	-	-
*A3.12.6.3.	Transfer pump								-	-	-	-
A3.12.6.4.	Interconnect valve								-	-	-	-
A3.12.6.5.	Fuel quantity component								-	-	-	-
A3.12.6.6.	Fuel cell foam								-	-	-	-
A3.12.6.7.	Troubleshoot fuel system								-	-	-	A
A3.13.	ELECTRICAL SYSTEM TR: See applicable TO covering specific aircraft											
*A3.13.1.	Electrical system operation								A	A	-	-
A3.13.2.	Perform operational check											
*A3.13.2.1.	AC electrical power system	*							2b	A	-	-
*A3.13.2.2.	DC electrical power system	*							2b	A	-	-
*A3.13.2.3.	Interior light system	*							2b	A	-	-
*A3.13.2.4.	Exterior light system	*							2b	A	-	-
A3.13.3.	Remove and install											
*A3.13.3.1.	Batteries	*							2b	-	-	-
*A3.13.3.2.	Starter generator	*							2b	-	-	-
A3.13.3.3.	Inverter								a	-	-	-
A3.13.3.4.	Landing/search light								2b	-	-	-
*A3.13.4.	Connect/apply external electrical power	*							2b	-	-	-
*A3.13.5.	Disconnect external electrical power	*							2b	-	-	-
A3.13.6.	Adjust the DC voltage regulator								-	-	-	-

H-1 Specific Items

STS
2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.13.7.	Troubleshoot electrical system								-	A	-	B
A3.14.	INSTRUMENT SYSTEM TR: See applicable TO covering specific aircraft											
*A3.14.1.	Instrument system operation								A	A	-	-
*A3.14.2.	Remove instruments								1a	-	-	-
*A3.14.3.	Install instruments								1a	-	-	-
A3.14.4.	Drain pitot-static system								-	A	-	-
A3.14.5.	Troubleshoot instruments								-	-	-	A
A3.15.	AIRCRAFT VIBRATIONS TR: See applicable TO covering specific aircraft											
*A3.15.1.	Dynamically Track and balance main rotor		*						1a	A	-	B
A3.15.2.	Track and balance tail rotor											
A3.15.2.1.	Statically								-	-	-	-
*A3.15.2.2.	Dynamically		*						1a	A	-	B
*A3.15.3.	Adjust main rotor blades	*							2b	A	-	-
*A3.15.4.	Adjust tail rotor blades	*							2b	A	-	-
A3.15.5.	Balance drive shaft											
*A3.15.5.1.	Tail drive shaft	*							b	A	-	-
A3.15.5.2.	Main drive shaft	*							b	A	-	-
A3.15.6.	Use											
*A3.15.6.1.	8500/VMS-DTU analyzer								A	A	-	-
A3.15.6.2.	Spectrum analyzer								-	-	-	-
A3.15.7.	Troubleshoot using 8500/VMS-DTU analyzer		*						-	A	-	B

H-53 Specific Items

STS 2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 1 marked with an (*) are the task/knowledges that are trained in resident wartime courses. Items in column 2 marked with an (*R) are not required by AFRC and ANG for upgrade.												
A4.	H-53 SPECIFIC ITEMS											
A4.1.	PERFORM AIRCRAFT INSPECTIONS											
	TR: TO 00-20-5; See applicable TO covering specific aircraft											
A4.1.1.	Isochronal concept											
*A4.1.1.1.	Major								A	B	-	-
*A4.1.1.2.	Minor								A	B	-	-
*A4.1.1.3.	Home station checks	*							A	B	-	-
*A4.1.1.4.	Preflight	*							3c	B	-	-
*A4.1.1.5.	Thruflight	*							3c	B	-	-
*A4.1.1.6.	Basic Postflight	*							3c	B	-	-
A4.1.2.	Supplemental inspections											
*A4.1.2.1.	Acceptance								A	A	-	-
*A4.1.2.2.	Calendar								A	A	-	-
*A4.1.2.3.	Special								A	A	-	-
*A4.1.2.4.	Hourly								A	A	-	-
A4.2.	USE COMMUNICATION EQUIPMENT											
	TR: See applicable TO covering specific aircraft											
*A4.2.1.	Interphone	*							3c	A	-	-
A4.2.2.	UHF								-	-	-	-
A4.2.3.	VHF											
A4.3.	PERFORM GROUND HANDLING								-	-	-	-
	TR: AFI 11-218,AFOSH STD 127 series, See index for applicable TO											
*A4.3.1.	Launch helicopter	*							3c	-	-	-
*A4.3.2.	Recover helicopter	*							3c	-	-	-
A4.3.3.	Tow helicopter											
*A4.3.3.1.	Perform as tow team member	*							3c	-	-	-
*A4.3.3.2.	Perform as tow brake operator	*							3c	-	-	-
*A4.3.3.3.	Perform as tow vehicle operator								-	-	-	-
A4.3.3.4.	Perform as tow team supervisor		*						-	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A4.3.4.	Moor helicopter								2b	B	-	-
A4.3.4.5.	Jack helicopter											
*A4.3.4.5.1.	Perform as jacking team member	*							3c	B	-	-
A4.3.4.5.2.	Perform as jacking team supervisor		*						-	-	-	-
*A4.3.4.6.	Level helicopter								2b	A	-	-
*A4.3.4.7.	Load helicopter on transport vehicles TR: AFIs 24-206, 24-207, 24-208; AFPD24-2; TO 00-85 series								A	B	-	-
*A4.3.4.8.	Disassemble helicopter for air shipment TR: TO 1H53-(M)J-39CL-1								A	A	-	-
*A4.3.4.9.	Reassemble helicopter after air shipment TR: TO 1H53-(M)J-39CL-1								A	A	-	-
*A4.3.4.10.	Perform special maintenance required due to adverse weather TR: See applicable TO covering specific aircraft								A	B	-	-
A4.4.	AIRFRAME SYSTEMS TR: See applicable TO covering specific aircraft											
*A4.4.1.	Construction features of airframe								A	B	-	-
A4.4.2.	Remove and install											-
*A4.4.2.1.	Airframe components such as cowlings, panels, and doors	*							3c	-	-	-
*A4.4.2.2.	Cockpit seats								b	-	-	-
A4.4.2.3.	Windshield/windows								-	-	-	-
*A4.4.2.4.	Tail pylon								-	-	-	-
A4.5.	LANDING GEAR SYSTEMS TR: See applicable TO covering specific aircraft											
*A4.5.1.	Landing gear system operation								A	B	-	-
A4.5.2.	Perform operational check											
*A4.5.2.1.	Landing gear	*							2b	B	-	-
*A4.5.2.2.	Brakes	*							3c	B	-	-
A4.5.3.	Service/bleed											
*A4.5.3.1.	Emergency extension system								3c	-	-	-
*A4.5.3.2.	Shock strut	*							2b	A	-	-
*A4.5.3.3.	Tires TR: TO 4T-1-3	*							3c	-	-	-

H-53 Specific Items

STS 2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A4.5.3.4.	Brakes	*							3c	-	-	-
*A4.5.4.	Lubricate landing gear components	*							2b	-	-	-
A4.5.6.	Remove and install											
*A4.5.6.1.	Wheel and tire assemblies	*							3c	-	-	-
*A4.5.6.2.	Brake assemblies	*							3c	-	-	-
A4.5.6.3.	Landing gear components								-	-	-	-
*A4.5.7.	Determine serviceability of aircraft tires	*							3c	B	-	-
A4.5.8.	Troubleshoot								-	-	-	-
A4.5.8.1.	Landing gear system		*						-	A	-	B
A4.5.8.2.	Brake system		*						-	A	-	-
A4.6.	UTILITY SYSTEMS											
A4.6.1.	Utility system operation								B	B	-	-
A4.6.2.	Perform operational check of											
*A4.6.2.1.	Hoist	*							2b	B	-	-
*A4.6.2.2.	Cargo hook	*							2b	A	-	-
*A4.6.2.3.	Heating and ventilating	*							2b	A	-	-
*A4.6.2.4.	Fire detection	*							2b	B	-	-
*A4.6.2.5.	Windshield wiper	*							2b	-	-	-
*A4.6.2.6.	Windshield anti-ice	*							2b	-	-	-
*A4.6.2.7.	Cargo door and ramp	*							2b	-	-	-
*A4.6.2.8.	Blade and pylon fold system operation								A	B	-	-
A4.6.3.	Remove and install											
*A4.6.3.1.	Cargo hook components	*							2b	-	-	-
A4.6.3.2.	Cabin furnishings	*							-	-	-	-
A4.6.3.3.	Hoist components											
*A4.6.3.3.1.	Cable	*							A	A	-	-
*A4.6.3.3.2.	Hook	*							2b	A	-	-
A4.6.3.4.	Heating and ventilating system components								-	-	-	-
A4.6.3.5.	Fire detection system components								-	-	-	-
A4.6.3.6.	Windshield anti-ice system components								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A4.6.3.7.	Windshield wiper system components	*							2b	-	-	-
A4.6.3.8.	Cargo door and ramp system components								-	-	-	-
A4.6.3.9.	Blade/pylon fold system components											
A4.6.3.9.1.	Blade support rods								a	-	-	-
A4.6.3.9.2.	Centering bearing								a	-	-	-
A4.6.3.9.3.	Blade fold lock assembly								a	-	-	-
A4.6.3.9.4.	Main rotor blade fold hinge								a	-	-	-
A4.6.3.9.5.	Rotor gust lock								a	-	-	-
A4.6.3.9.6.	Tail rotor drive shaft rotary coupling								a	-	-	-
A4.6.3.9.7.	Blade fold valves								a	-	-	-
A4.6.3.9.8.	Primary servo pitch locks								a	-	-	-
A4.6.3.9.9.	Blade/pylon fold hydraulic components								a	-	-	-
A4.6.3.9.10.	Tail rotor head positioner cam								a	-	-	-
A4.6.3.9.11.	Blade/pylon fold electrical components								a	-	-	-
A4.6.4.	Adjust											
*A4.6.4.1.	Windshield wiper arm	*							2b	-	-	-
*A4.6.4.2.	Cargo hook release								a	A	-	-
A4.6.4.3.	Cargo and ramp door								-	-	-	-
A4.6.4.4.	Blade and pylon fold proximity sensors								-	-	-	-
A4.6.5.	Service/lubricate											
A4.6.5.1.	Windshield washer reservoir								-	-	-	-
A4.6.5.2.	Hoist								2b	A	-	-
A4.6.5.3.	Cargo hook								-	-	-	-
A4.6.5.4.	Bleed blade/pylon fold system								-	A	-	-
A4.6.6.	Perform duties during blade/pylon fold operations											
*A4.6.6.1.	Forward observer	*							a	-	-	-
*A4.6.6.2.	Top observer	*							a	-	-	-
*A4.6.6.3.	Tail observer	*							a	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.6.6.4.	Supervise blade/pylon fold operations		*						-	-	-	-
A4.6.7.	Troubleshoot								-	-	-	-
A4.6.7.1.	Hoist		*						-	A	-	B
A4.6.7.2.	Cargo hook								-	-	-	-
A4.6.7.3.	Heating and ventilating		*						-	A	-	-
A4.6.7.4.	Fire detection								-	-	-	A
A4.6.7.5.	Windshield wiper								-	-	-	-
A4.6.7.6.	Windshield anti-ice								-	-	-	-
A4.6.7.7.	Blade/pylon fold								-	A	-	B
A4.7.	FLIGHT CONTROL SYSTEMS TR: See applicable TO covering specific aircraft											
*A4.7.1.	Rotor flight control system operation								A	B	-	-
*A4.7.2.	Perform operational check of flight control systems		*						2b/1b	A	-	-
A4.7.3.	Remove and install											
*A4.7.3.1.	Control rods	*							2b	-	-	-
*A4.7.3.2.	Idlers	*							2b	-	-	-
*A4.7.3.3.	Pulleys	*							b	-	-	-
*A4.7.3.4.	Bellcranks	*							2b	-	-	-
*A4.7.3.5.	Control stick	*							2b	-	-	-
*A4.7.3.6.	Centering cylinder	*							2b	-	-	-
*A4.7.3.7.	Quadrants	*							b	-	-	-
*A4.7.3.8.	Cables	*							2b	-	-	-
A4.7.4.	Rig											
*A4.7.4.1.	Main rotor		*						1b	A	-	B
*A4.7.4.2.	Tail rotor		*						1b	A	-	B
A4.7.5.	Quick rig											
*A4.7.5.1.	Main rotor	*							1b	A	-	B
*A4.7.5.2.	Tail rotor	*							1b	A	-	B
A4.7.6.	Troubleshoot								-	-	-	-
A4.7.6.1.	Main rotor flight controls		*						-	A	-	B
A4.7.6.2.	Tail rotor flight controls		*						-	A	-	B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.8.	TRANSMISSION AND DRIVE SYSTEMS											
	TR: See index for applicable TO covering specific aircraft											
*A4.8.1.	Transmission system operation								A	B	-	-
*A4.8.2.	Drive system operation								A	B	-	-
*A4.8.3.	Transmission oil system operation								A	B	-	-
A4.8.4.	Adjust transmission oil system								a	-	-	-
A4.8.5.	Align drive shafts											
*A4.8.5.1.	Input	*							b	A	-	-
*A4.8.5.2.	Tail rotor	*							b	A	-	-
*A4.8.5.3.	APP								b	-	-	-
*A4.8.6.	Service transmission system	*							3c	-	-	-
*A4.8.7.	Service drive system	*							3c	-	-	-
A4.8.8.	Remove and install											
*A4.8.8.1.	Accessory gearbox		*						2b	A	-	-
*A4.8.8.2.	Main gearbox		*						2b	A	-	-
*A4.8.8.3.	Intermediate gearbox		*						2b	-	-	-
*A4.8.8.4.	Tail gearbox		*						2b	-	-	-
*A4.8.8.5.	Oil cooler and blower	*							2b	-	-	-
*A4.8.8.6.	Auxiliary power plant drive shaft	*							2b	-	-	-
*A4.8.8.7.	Input drive shaft	*							2b	-	-	-
*A4.8.8.8.	Accessory gearbox drive shaft	*							2b	-	-	-
*A4.8.8.9.	Oil cooler drive shaft	*							2b	-	-	-
*A4.8.8.10.	Tail rotor drive shaft	*							2b	-	-	-
*A4.8.8.11.	Lubricate tail rotor drive shaft disconnect coupling	*							a	-	-	-
*A4.8.8.12.	Tail rotor drive shaft disconnect coupling								a	-	-	-
*A4.8.8.13.	Viscous damper bearing assembly	*							1b	-	-	-
*A4.8.8.14.	Chip detector	*							2b	-	-	-
*A4.8.8.15.	Main gearbox pump	*							b	-	-	-
*A4.8.8.16.	Main gearbox oil filter and screen	*							2b	-	-	-
*A4.8.8.17.	Main gearbox tach generator								2b	-	-	-
A4.8.9.	Troubleshoot transmission system		*						-	A	-	B
A4.8.10.	Troubleshoot drive system		*						-	A	-	B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.9.	ROTOR SYSTEM TR: See applicable TO covering specific aircraft											
A4.9.1.	Main rotor											
*A4.9.1.1.	Rotor system operation								A	B	-	-
*A4.9.1.2.	IBIS system operation								A	A	-	-
A4.9.2.	Remove and install											
*A4.9.2.1.	Rotor head	*							2b	A	-	-
*A4.9.2.2.	Sleeve/spindle	*							2b	-	-	-
*A4.9.2.3.	Dampers	*							2b	A	-	-
A4.9.2.4.	Damper accumulator								2b	-	-	-
A4.9.2.5.	Isolation accumulator								-	-	-	-
*A4.9.2.6.	Pitch control rods	*							2b	-	-	-
*A4.9.2.7.	Rotor blades	*							2b	-	-	-
*A4.9.2.8.	Swashplate assembly	*							2b	-	-	-
A4.9.2.9.	Elastomeric bearing								-	-	-	-
*A4.9.2.10.	IBIS detector								2b	-	-	-
*A4.9.2.11.	IBIS indicator	*							2b	A	-	-
*A4.9.2.12.	Droop/flap stop Assembly	*							2b	-	-	-
*A4.9.3.	Perform pretrack rig								1b	-	-	-
*A4.9.4.	Perform autorotation adjustment	*							2b	A	-	-
A4.9.5.	Service											
*A4.9.5.1.	Damper system	*							2b	-	-	-
*A4.9.5.2.	Sleeve/spindle								2b	-	-	-
*A4.9.5.3.	Blades	*							2b	-	-	-
*A4.9.6.	Lubricate system components	*							2b	-	-	-
A4.9.7.	Troubleshoot main rotor system		*						-	A	-	B
*A4.9.8.	Tail rotor system operation								A	B	-	-
A4.9.9.	Remove and install											
*A4.9.9.1.	Blades	*							2b	-	-	-
*A4.9.9.2.	Tail rotor head and components	*							2b	-	-	-
*A4.9.10.	Service tail rotor	*							2b	-	-	-

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				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.9.11.	Troubleshoot tail rotor system		*						-	A	-	B
A4.10.	HYDRAULIC SYSTEM TR: See applicable TO covering specific aircraft											
*A4.10.1.	Hydraulic system operation								A	B	-	-
A4.10.2.	Perform operational check											
*A4.10.2.1.	First stage hydraulic								2b/X	-	-	-
*A4.10.2.2.	Second stage hydraulic								2b/X	-	-	-
*A4.10.2.3.	Utility hydraulic	*							2b	-	-	-
*A4.10.2.4.	Rotor brake	*							2b	-	-	-
A4.10.3.	Remove and install											
*A4.10.3.1.	Primary servos	*							2b	-	-	-
*A4.10.3.2.	AFSC servos								b	-	-	-
*A4.10.3.3.	Manifold								b	-	-	-
*A4.10.3.4.	Pumps	*							2b	-	-	-
*A4.10.3.5.	Filters	*							2b	-	-	-
*A4.10.3.6.	Rotor brake	*							2b	-	-	-
*A4.10.3.7.	Tail rotor servo								1b	-	-	-
A4.10.4.	Service reservoirs	*							3c	-	-	-
A4.10.5.	Troubleshoot								-	-	-	-
A4.10.5.1.	First stage		*						-	A	-	B
A4.10.5.2.	Second stage		*						-	A	-	B
A4.10.5.3.	Utility		*						-	A	-	B
A4.10.5.4.	Rotor brake		*						-	A	-	B
A4.11.	POWER PLANT AND RELATED SYSTEMS TR: See applicable TO covering specific aircraft											
*A4.11.1.	Turboshaft engine operation								B	B	-	-
A4.11.2.	Power plant system operation											
*A4.11.2.1.	Ignition								B	B	-	-
*A4.11.2.2.	Fuel								B	B	-	-
*A4.11.2.3.	Oil								B	B	-	-
*A4.11.2.4.	Engine air particle separator system								B	B	-	-
*A4.11.2.5.	Engine actuating system								B	B	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A4.11.2.6.	Anti-icing								B	B	-	-
A4.11.3.	Remove and install											
*A4.11.3.1.	Oil pressure switch								2b	-	-	-
*A4.11.3.2.	Oil quantity switch								2b	-	-	-
*A4.11.3.3.	Ignition unit								2b	-	-	-
*A4.11.3.4.	Ignitor plug								3c	-	-	-
*A4.11.3.5.	Tail pipe								3c	-	-	-
*A4.11.3.6.	Engine Chip detector								3c	-	-	-
A4.11.3.7.	Air particle separator	*							2b	-	-	-
A4.11.3.8.	Engine								b	-	-	-
A4.11.3.9.	Engine inlet								b	-	-	-
A4.11.3.10.	Anti-ice components								-	-	-	-
A4.11.3.11.	Fuel control								b	-	-	-
*A4.11.4.	Service engine oil system	*							3c	-	-	-
A4.11.5.	Troubleshoot engine system								-	B	-	B
*A4.11.6.	Take engine oil samples (JOAP) TR: TOs 33-1-37, 42B2-1-9	*							3c	-	-	-
*A4.11.7.	Clean engine compressor	*							b	-	-	-
A4.11.8.	Rig engine controls								-	-	-	A
A4.11.9.	Perform operational checks								-	-	-	A
A4.12.	FUEL SYSTEMS TR: See applicable TO covering specific aircraft; AFOSH STD 127 series											
*A4.12.1.	Fuel system operation								A	B	-	-
A4.12.2.	Perform operational check											
*A4.12.2.1.	Main	*							2b	A	-	-
*A4.12.2.2.	Auxiliary								2b	A	-	-
*A4.12.2.3.	Inflight	*							2b	A	-	-
A4.12.3.	Refuel helicopter TR: TO 00-25-127											
A4.12.3.1.	Pressure procedure											
*A4.12.3.1.1.	Perform as refuel team member	*							3c	A	-	-
A4.12.3.1.2.	Perform as refuel team supervisor		*						-	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.12.3.2.	Gravity procedure											
*A4.12.3.2.1.	Perform as refuel team member	*							b	A	-	-
A4.12.3.2.2.	Perform as refuel team supervisor		*						-	A	-	-
A4.12.4.	Defuel helicopter TR: TO 00-25-172											
A4.12.4.1.	Pressure procedure											
*A4.12.4.1.1.	Perform as defuel team member	*							b	A	-	-
A4.12.4.1.2.	Perform as defuel team supervisor		*						-	A	-	-
A4.12.4.2.	Gravity procedure											
*A4.12.4.2.1.	Perform as gravity defuel team member								b	A	-	-
A4.12.4.2.2.	Perform as gravity defuel team supervisor								-	A	-	-
*A4.12.5.	Prepare helicopter for fuel cell maintenance - TR: TOs 00-25172, 1-1-3	*							b	-	-	-
A4.12.6.	Remove and install											
*A4.12.6.1.	Filters	*							3c	-	-	-
*A4.12.6.2.	Auxiliary tanks	*							2b/b	-	-	-
*A4.12.6.3.	A/R probe components	*							2b	-	-	-
A4.12.6.4.	Dump pump								-	-	-	-
A4.12.6.5.	Bleed air selector valve								2b	-	-	-
A4.12.6.6.	Dump valve								-	-	-	-
*A4.12.6.7.	A/R probe	*							A	-	-	-
A4.12.6.8.	Fuel quantity components								-	-	-	-
A4.12.7.	Troubleshoot fuel system		*						-	-	-	A
A4.13.	ELECTRICAL SYSTEMS TR: See applicable TO covering specific aircraft											
*A4.13.1.	Electrical system operation								A	B	-	-
A4.13.2.	Perform operational check											
*A4.13.2.1.	AC electrical power system								A	A	-	-
*A4.13.2.2.	DC electrical power system								A	A	-	-
*A4.13.2.3.	Interior light systems	*							3c	A	-	-
*A4.13.2.4.	Exterior light systems	*							3c	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.13.3.	Remove and install											
*A4.13.3.1.	Batteries	*							a	-	-	-
*A4.13.3.2.	Generator	*							2b	-	-	-
A4.13.3.3.	Current limiter								a	-	-	-
A4.13.3.4.	Transformer rectifier								a	-	-	-
*A4.13.3.5.	Landing/search light								2b	-	-	-
*A4.13.4.	Connect/apply external electrical power	*							3c	-	-	-
*A4.13.5.	Disconnect external electrical power	*							3c	-	-	-
A4.13.6.	Troubleshoot electrical system								-	A	-	B
A4.14.	INSTRUMENT SYSTEMS TR: See applicable TO covering specific aircraft											
*A4.14.1.	Instrument system operation								A	B	-	-
*A4.14.2.	Remove instruments								2b	-	-	-
*A4.14.3.	Install instruments								2b	-	-	-
*A4.14.4.	Drain pitot-static system	*							1b	-	-	-
A4.14.5.	Perform operational check of the instruments and AFCS system								A	-	-	A
A4.14.6.	Troubleshoot instruments								-	-	-	A
A4.15.	AUXILIARY POWER PLANT TR: See applicable TO covering specific aircraft											
*A4.15.1.	Auxiliary power plant assembly operation								A	B	-	-
A4.15.2.	Remove and install											
*A4.15.2.1.	Clutch	*							2b	-	-	-
*A4.15.2.2.	Hydraulic starter								b	-	-	-
*A4.15.2.3.	APP assembly								b	-	-	-
*A4.15.2.4.	APP Ignitor plug								2b	-	-	-
*A4.15.2.5.	APP accumulator	*							2b	-	-	-
*A4.15.3.	Operate APP	*							2b	A	-	-
*A4.15.4.	Adjust APP fuel control								b	A	-	-
A4.15.5.	Service											
*A4.15.5.1.	Oil tank	*							3c	-	-	-

H-53 Specific Items

STS 2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A4.15.5.2.	Accumulator	*							3c	-	-	-
A4.15.6.	Troubleshoot auxiliary power plant system								-	A	-	B
A4.16.	AIRCRAFT VIBRATIONS TR: See applicable TO covering specific aircraft											
*A4.16.1.	Track and balance main rotor dynamically		*						1b	A	-	B
*A4.16.2.	Track and balance tail rotor dynamically		*						1b	A	-	B
*A4.16.3.	Adjust main rotor blades	*							2b	A	-	-
*A4.16.4.	Adjust tail rotor blades								2b	-	-	-
A4.16.5.	Use 8500 analyzer/VMS-DTU		*						1b	B	-	-
A4.16.6.	Troubleshoot using 8500/VMS-DTU analyzer		*						-	A	-	B

H-60 Specific Items

STS 2A5X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 1 marked with an (*) are the task/knowledges that are trained in resident wartime courses. Items in column 2 marked with an (*R) are not required by AFRC and ANG for upgrade.												
A5.	H-60 SPECIFIC ITEMS											
A5.1.	PERFORM AIRCRAFT INSPECTIONS TR: TO 00-20-5; See applicable TO covering specific aircraft											
A5.1.2.	Periodic concept								-	A	-	-
*A5.1.3.	10 hour/14 day	*							3c/2b	A	-	-
*A5.1.4.	Thruflight								-	-	-	-
*A5.1.5.	500 hour periodic								a	A	-	
A5.1.6.	Supplemental inspections											
*A5.1.6.1.	Acceptance								a	A	-	-
*A5.1.6.2.	Calendar	*R							a	A	-	-
*A5.1.6.3.	Special								a	A	-	-
*A5.1.6.4.	Hourly	*R							a	A	-	-
A5.2.	USE COMMUNICATION EQUIPMENT TR: See applicable TO covering specific aircraft											
*A5.2.1.	Interphone	*							3c/a	A	-	-
A5.2.2.	UHF								-	-	-	-
A5.2.3.	VHF								-	-	-	-
A5.3.	PERFORM GROUND HANDLING TR: AFI11-218, AFOSH STD 127 series, See applicable TO covering specific aircraft											
*A5.3.1.	Launch helicopter	*							3c/b	-	-	-
*A5.3.2.	Recover helicopter	*							3c/b	-	-	-
A5.3.3.	Tow helicopter											
*A5.3.3.1.	Perform as tow team member	*							3c/2b	A	-	-
*A5.3.3.2.	Perform as tow brake operator	*							3c/b	A	-	-
*A5.3.3.3.	Perform as tow vehicle operator								b	A	-	-
A5.3.3.4.	Perform as tow team supervisor		*						-	A	-	-
A5.3.4.	Moor helicopter								b	A	-	-
A5.3.5.	Jack helicopter								-	-	-	-
*A5.3.5.1.	Perform as jacking team member	*							2b	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.3.5.2.	Perform as jacking supervisor								-	-	-	A
*A5.3.6.	Level helicopter								2b	A	-	-
*A5.3.7.	Load helicopter on transport vehicles TR: AFIs 24-206, 24-207,24-208; AFPD24-22; TO 00-85 series								A	A	-	-
*A5.3.8.	Disassemble helicopter for air shipment TR: See applicable TO covering specific aircraft								A	A	-	-
*A5.3.9.	Reassemble helicopter after air shipment TR: See applicable TO covering specific aircraft								A	A	-	-
*A5.3.10.	Perform special maintenance required due to adverse weather TR: See applicable TO covering specific aircraft								A	A	-	-
A5.4.	AIRFRAME SYSTEMS TR: See applicable TO covering specific aircraft											
A5.4.1.	Construction features or airframe								A	B	-	-
A5.4.2.	Remove and install								-	-	-	-
*A5.4.2.1.	Airframe components such as cowlings, panels, and doors	*							2b		-	-
*A5.4.2.2.	Cockpit seats								-	-	-	-
*A5.4.2.3.	Windshield/windows								a	-	-	-
A5.4.2.4.	Tail cone/tail pylon								-	-	-	-
A5.4.2.5.	Vibration absorber								2b	A	-	-
*A5.4.3.	Fold pylon								A	A	-	-
A5.5.	LANDING GEAR SYSTEMS TR: See applicable TO covering specific aircraft											
*A5.5.1.	Landing gear system operation								A	B	-	-
A5.5.2.	Perform operational check											
*A5.5.2.1.	Tail Lock Actuator	*							2b	A	-	-
*A5.5.2.2.	Brakes	*							3c/2b	A	-	-
A5.5.3.	Service/bleed											
*A5.5.3.1.	Shock strut	*							2b	A	-	-
*A5.5.3.2.	Tires TR: TO 4T-1-3	*							3c/2b	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A5.5.3.3.	Brakes	*							2b	A	-	-
*A5.5.4.	Lubricate landing gear components	*							2b	A	-	-
A5.5.5.	Adjust landing gear components		*						-	A	-	
A5.5.6.	Remove and install											
*A5.5.6.1.	Wheel and tire assemblies	*							2b	A	-	-
*A5.5.6.2.	Brake assemblies	*R							2b	A	-	-
A5.5.6.3.	Landing gear components											
*A5.5.6.3.1.	Shock strut								b	-	-	-
A5.5.6.3.2.	Tail landing gear yoke								b	-	-	-
A5.5.6.3.3.	Tail landing gear fork								b	-	-	-
A5.5.6.3.4.	Drag beam								b	-	-	-
*A5.5.7.	Determine serviceability of aircraft tires	*							3c/2b	A	-	-
A5.5.8.	Troubleshoot											
A5.5.8.1.	Landing gear system		*						b	A	-	-
A5.5.8.2.	Brake system		*						b	A	-	B
A5.6.	UTILITY SYSTEM TR: See applicable TO covering specific aircraft											
*A5.6.1.	Utility system operation								B	B	-	-
A5.6.2.	Perform operational check of											
*A5.6.2.1.	Hoist	*							2b/b	A	-	-
*A5.6.2.2.	Cargo hook	*							2b	A	-	-
*A5.6.2.3.	Heating and ventilating	*							2b	A	-	-
*A5.6.2.4.	Fire detection	*							2b	A	-	-
*A5.6.2.5.	Windshield wiper	*							2b	A	-	-
*A5.6.2.6.	Windshield anti-ice	*							2b	A	-	-
A5.6.3.	Remove and install											
*A5.6.3.1.	Cargo hook components	*							2b	-	-	-
*A5.6.3.2.	Cabin furnishings	*							-	-	-	-
A5.6.3.3.	Hoist components											
*A5.6.3.3.1.	Cable	*							b	A	-	-
*A5.6.3.3.2.	Hook	*							b	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.6.3.4.	Heating and ventilating system components								b	A	-	-
*A5.6.3.5.	Fire detection system components								2b	A	-	-
A5.6.3.6.	Windshield anti-ice system components								b	A	-	-
*A5.6.3.7.	Windshield wiper system components	*							2b	A	-	-
A5.6.3.8.	Cargo door system components								-	-	-	-
A5.6.4.	Adjust											
*A5.6.4.1.	Windshield wiper arm	*							2b	A	-	-
*A5.6.4.2.	Cargo hook release								-	-	-	-
A5.6.5.	Service/lubricate								-	-	-	-
*A5.6.5.1.	Hoist	*							2b/b	A	-	-
A5.6.5.2.	Cargo Hook								-	A	-	-
A5.6.6.	Troubleshoot								-	-	-	-
A5.6.6.1.	Hoist		*R						-	A	-	B
A5.6.6.2.	Cargo hook								-	A	-	-
A5.6.6.3.	Heating and ventilating								-	A	-	-
A5.6.6.4.	Fire detection		*R						-	A	-	A
A5.6.6.5.	Windshield wiper								-	A	-	-
A5.6.6.6.	Windshield anti-ice								-	A	-	-
A5.7.	FLIGHT CONTROL SYSTEMS TR: See applicable TO covering specific aircraft											
*A5.7.1.	Rotor flight control system operation								A	B	-	-
*A5.7.2.	Perform operational check of flight control systems	*							2b	A	-	-
A5.7.3.	Remove and install											
*A5.7.3.1.	Control rods	*							2b	A	-	-
*A5.7.3.2.	Idlers	*R							2b	A	-	-
*A5.7.3.3.	Pulleys	*R							2b	A	-	-
*A5.7.3.4.	Bellcranks	*R							2b	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A5.7.3.5.	Control stick	*							2b	A	-	-
*A5.7.3.6.	Spring cylinder	*R							2b	A	-	-
*A5.7.3.7.	Quadrants	*R							2b	A	-	-
*A5.7.3.8.	Cables	*R							2b	A	-	-
*A5.7.3.9.	Stabilator	*							2b	A	-	-
A5.7.3.10.	Stabilator actuator	*R							2b	A	-	-
A5.7.4.	Rig											
*A5.7.4.1.	Main rotor		*R						1b	A	-	A
*A5.7.4.2.	Tail rotor		*R						1b	A	-	A
*A5.7.5.	Four point rig		*						1b	A	-	A
*A5.7.6.	Lubricate flight controls								1b	-	-	-
A5.7.7.	Troubleshoot											
A5.7.7.1.	Main rotor flight controls		*						-	A	-	B
A5.7.7.2.	Tail rotor flight controls		*						-	A	-	B
A5.8.	TRANSMISSION AND DRIVE SYSTEMS											
	TR: See applicable TO covering specific aircraft											
*A5.8.1.	Transmission system operation								A	B	-	-
*A5.8.2.	Drive system operation								A	B	-	-
*A5.8.3.	Transmission oil system operation								A	B	-	-
*A5.8.4.	Adjust transmission oil system								a	A	-	-
*A5.8.5.	Align tail drive shafts								b	A	-	A
*A5.8.6.	Service transmission system	*							b	-	-	-
*A5.8.7.	Service drive system	*							b	A	-	-
A5.8.8.	Remove and install											
*A5.8.8.1.	Accessory module	*R							2b	A	-	-
*A5.8.8.2.	Main module								b	A	-	-
*A5.8.8.3.	Intermediate gearbox	*							2b	A	-	-
*A5.8.8.4.	Tail gearbox	*R							2b	A	-	-
*A5.8.8.5.	Oil cooler and blower	*R							b	A	-	-
*A5.8.8.6.	Engine output drive shaft	*							2b	A	-	-
*A5.8.8.7.	Tail drive shaft	*							2b	A	-	-
*A5.8.8.8.	Viscous damper bearing assembly	*							2b	A	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A5.8.8.9.	Chip detector	*							2b	A	-	-
*A5.8.8.10.	Main gearbox pump								-	A	-	-
*A5.8.8.11.	Main gearbox oil filter and screen	*							2b	A	-	-
*A5.8.8.12.	Input module	*R							2b	A	-	-
A5.8.9.	Troubleshoot transmission system		*						-	A	-	B
A5.8.10.	Trouble shoot drive system		*						-	A	-	B
A5.9.	ROTOR SYSTEM TR: See applicable TO covering specific aircraft											
A5.9.1.	Main rotor											
*A5.9.1.1.	Rotor system operation								A	B	-	-
*A5.9.1.2.	BIM system operation								A	B	-	-
*A5.9.1.3.	Blade deicing operation								A	B	-	-
A5.9.2.	Remove and install											
*A5.9.2.1.	Rotor head	*R							2b	A	-	-
*A5.9.2.2.	Spindle	*R							2b	A	-	-
*A5.9.2.3.	Dampers	*							2b	-	-	-
A5.9.2.4.	Pitch control rods	*							2b	-	-	-
*A5.9.2.5.	Rotor blades	*							2b	A	-	-
*A5.9.2.6.	Swashplate assembly	*R							2b	A	-	-
A5.9.2.7.	Shaft extension	*R							2b	-	-	-
*A5.9.2.8.	Bifilar/weights	*R							2b	-	-	-
*A5.9.2.9.	Elastomeric bearing	*R							2b	A	-	-
*A5.9.2.10.	BIM Indicator	*							2b	-	-	-
*A5.9.2.11.	Blade De-ice Components	*R							2b	-	-	-
*A5.9.2.12.	Droop/flap stop	*							2b	A	-	-
*A5.9.3.	Perform pretrack rig	*							2b	A	-	-
*A5.9.4.	Perform autorotation adjustment	*							2b	A	-	-
A5.9.5.	Service											
*A5.9.5.1.	Damper system	*							2b	A	-	-
*A5.9.5.2.	Blades	*							2b	A	-	-
*A5.9.6.	Lubricate system components	*							2b	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.9.7.	Troubleshoot main rotor system		*						-	A	-	B
A5.9.8.	Tail rotor											
*A5.9.8.1.	Tail rotor system operation								A	B	-	-
A5.9.8.2.	Tail rotor de-ice operation								A	B	-	-
A5.9.9.	Remove and install											
*A5.9.9.1.	Paddles	*							2b	A	-	-
*A5.9.9.2.	Inner retention plate								2b	A	-	-
A5.9.9.3.	Tail rotor de-ice								b	-	-	-
A5.9.9.4.	Tail rotor pitch control rods	*							2b	-	-	-
A5.9.10.	Troubleshoot tail rotor system		*						-	A	-	B
A5.10.	HYDRAULIC SYSTEMS TR: See applicable TO covering specific aircraft											
A5.10.1.	Hydraulic system operation								A	B	-	-
A5.10.2.	Perform operational check											
*A5.10.2.1.	#1 hydraulic system	*							2b	A	-	-
*A5.10.2.2.	#2 hydraulic system	*							2b	A	-	-
*A5.10.2.3.	Rotor brake								b	A	-	-
*A5.10.2.4.	Backup hydraulic system	*							2b	A	-	-
A5.10.3.	Remove and install											
*A5.10.3.1.	Primary servos	*R							2b	A	-	-
A5.10.3.2.	Pilot assist servos								b	A	-	-
*A5.10.3.3.	Manifold								2b	A	-	-
*A5.10.3.4.	Pump module	*R							2b	A	-	-
*A5.10.3.5.	Pilot assist module	*R							2b	A	-	-
*A5.10.3.6.	Transfer module	*R							2b	A	-	-
*A5.10.3.7.	Utility module	*R							2b	A	-	-
*A5.10.3.8.	Filters	*							2b	-	-	-
A5.10.3.9.	Rotor brake								b	A	-	-
*A5.10.3.10.	Tail rotor servo	*R							2b	A	-	-
A5.10.4.	Service											
*A5.10.4.1.	Reservoirs	*							2b	-	-	-
*A5.10.4.2.	APU accumulator	*							2b	A	-	-
A5.10.5.	Troubleshoot								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.10.5.1.	#1 hydraulic system		*						-	A	-	B
A5.10.5.2.	#2 hydraulic system		*						-	A	-	B
A5.10.5.3.	Rotor brake								-	-	-	-
A5.10.5.4.	Backup hydraulic system		*						-	A	-	B
A5.11.	POWER PLANT AND RELATED SYSTEMS TR: See applicable TO covering specific aircraft											
*A5.11.1.	Turboshaft engine operation								B	B	-	B
A5.11.2.	Power plant system operation											
*A5.11.2.1.	Ignition								B	B	-	-
*A5.11.2.2.	Fuel								B	B	-	-
*A5.11.2.3.	Oil								B	B	-	-
*A5.11.2.4.	Inlet particle separator system								B	B	-	-
*A5.11.2.5.	IGV actuating system								B	B	-	-
*A5.11.2.6.	Anti-icing								B	B	-	-
A5.11.3.	Remove and install											
*A5.11.3.1.	Oil pressure switch								2b	-	-	-
*A5.11.3.3.	Ignition unit								2b	-	-	-
*A5.11.3.4.	Ignitor plug								2b	-	-	-
*A5.11.3.5.	Exhaust module/Pipe	*R							2b	-	-	-
*A5.11.3.6.	Chip detector								2b	-	-	-
A5.11.3.7.	Inlet particle separator								2b	-	-	-
*A5.11.3.8.	Engine								2b	A	-	-
*A5.11.3.9.	Engine inlet	*							2b	-	-	-
*A5.11.3.10.	Anti-ice components	*R							2b	A	-	-
*A5.11.3.11.	Start bleed valve	*R							2b	A	-	-
*A5.11.3.12.	Filters and screens								2b	-	-	-
*A5.11.3.14.	Electrical/digital control unit								2b	A	-	-
*A5.11.3.15.	Hydro mechanical unit								2b	A	-	-
A5.11.3.16.	Rotary control inputs								-	A	-	-
A5.11.3.17.	Overspeed and drain valve								-	-	-	-
*A5.11.4.	Service engine oil system	*							2b	-	-	-
A5.11.5.	Troubleshoot engine system		*						-	A	-	B

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A5.11.6.	Clean engine compressor	*R							b	A	-	-
*A5.11.7.	Rig engine controls		*R						b	A	-	-
A5.11.8.	Perform operational checks								-	A	-	-
A5.12.	FUEL SYSTEMS TR: See applicable TO covering specific aircraft; AFOSH STD 127 series											
*A5.12.1.	Fuel system operation								A	B	-	-
A5.12.2.	Perform operational check											
*A5.12.2.1.	Main	*							b	A	-	-
*A5.12.2.2.	Auxiliary	*							b	A	-	-
*A5.12.2.3.	Inflight	*							2b/b	A	-	-
A5.12.3.	Refuel helicopter TR: TO 00-25-172											
A5.12.3.1.	Pressure procedure											
*A5.12.3.1.1.	Perform as refuel team member	*							3c/b	A	-	-
A5.12.3.1.2.	Perform as refuel team supervisor		*						-	A	-	-
A5.12.3.2.	Gravity procedure											
*A5.12.3.2.1.	Perform as refuel team member	*							b	A	-	-
A5.12.3.2.2.	Perform as refuel team supervisor		*						-	A	-	-
A5.12.4.	Defuel helicopter TR: TO 00-25-172											
A5.12.4.1.	Pressure procedure											
*A5.12.4.1.1.	Perform as defuel team member	*							b	A	-	-
A5.12.4.1.2.	Perform as defuel team supervisor		*						-	A	-	-
A5.12.4.2.	Gravity procedure											
*A5.12.4.2.1.	Perform as defuel team member	*							b	A	-	-
A5.12.4.2.2.	Perform as defuel team supervisor		*						-	A	-	-
*A5.12.5.	Prepare helicopter for fuel cell maintenance TR: TOs 00-25-172, 1-1-3	*							a	A	-	-
A5.12.6.	Remove and install											
*A5.12.6.1.	Auxiliary tanks	*							b	-	-	-
*A5.12.6.2.	A/R probe nozzle	*							2b/b	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A5.12.6.3.	Transfer pump								b	A	-	-
A5.12.6.4.	Transfer valve								-	-	-	-
A5.12.6.5.	Dump valve								-	-	-	-
A5.12.6.6.	Boost pump								a	A	-	-
*A5.12.6.7.	Breakaway valve								2b	-	-	-
*A5.12.6.8.	A/R probe	*R							a	A	-	-
A5.12.6.9.	Probe management package								b	A	-	-
A5.12.6.10.	Fuel management package								b	A	-	-
A5.12.7.	Troubleshoot fuel system		*						-	A	-	B
A5.13.	ELECTRICAL SYSTEMS TR: See applicable TO covering specific aircraft											
*A5.13.1.	Electrical system operation								A	B	-	-
A5.13.2.	Perform operational check											
*A5.13.2.1.	AC electrical power system	*							2b	A	-	-
*A5.13.2.2.	DC electrical power system	*							2b	A	-	-
*A5.13.2.3.	Interior light systems	*							2b	-	-	-
*A5.13.2.4.	Exterior light systems	*							2b	-	-	-
A5.13.3.	Remove and install											
*A5.13.3.1	Battery	*							2b	A	-	-
*A5.13.3.2.	Generator	*							2b	A	-	-
A5.13.3.3.	Current limiter								a	-	-	-
A5.13.3.4.	Converter								a	-	-	-
A5.13.3.5.	Generator control unit								2b	-	-	-
A5.13.3.6.	Relay panel								2b	A	-	-
A5.13.3.7.	Landing/search light								2b	A	-	-
*A5.13.4.	Connect/apply external electrical power	*							3c/2b	A	-	-
*A5.13.5.	Disconnect external electrical power	*							3c/2b	A	-	-
A5.13.7.	Troubleshoot electrical system								-	A	-	A
A5.14.	INSTRUMENT SYSTEMS TR: See applicable TO covering specific aircraft											
*A5.14.1.	Instrument systems operation								A	B	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A5.14.2.	Remove instruments								1a	-	-	-
*A5.14.3.	Install instruments								1a	-	-	-
A5.14.4.	Drain pitot-static system								-	A	-	-
*A5.14.5.	Perform operational check of the instruments and AFCS system								b	A	-	-
A5.14.6.	Remove and replace signal data converter (SDC)								b	-	-	-
A5.14.7.	Troubleshoot Instruments								-	A	-	A
A5.15.	AUXILIARY POWER UNIT											
	TR: See applicable TO covering specific aircraft											
*A5.15.1.	Auxiliary power unit theory of operation								A	B	-	-
A5.15.2.	Remove and install											
*A5.15.2.1.	Hydraulic starter								1a	A	-	-
*A5.15.2.2.	APU assembly								2b	A	-	-
*A5.15.2.3.	Electrical sequencing unit (ESU)	*							2b	-	-	-
A5.15.2.4.	APU Ignitor plug								2b	-	-	-
A5.15.2.5.	APU Ignitor start fuel nozzle								2b	-	-	-
A5.15.2.6.	APU accumulator	*R							2b	A	-	-
*A5.15.3.	Operate APU	*							b	A	-	-
*A5.15.4.	Service APU tank	*							a	-	-	-
A5.15.5.	Troubleshoot auxiliary power unit system		*						-	A	-	B
A5.16.	AIRCRAFT VIBRATIONS											
	TR: See applicable TO covering specific aircraft											
*A5.16.1.	Track & balance main rotor dynamically		*R						1a/a	A	-	B
*A5.16.2.	Balance tail rotor dynamically		*R						1a/a	A	-	B
*A5.16.3.	Adjust main rotor blades	*							2b	A	-	-
*A5.16.4.	Adjust tail rotor blades	*							2b	A	-	-
A5.16.5.	Tune vibration absorbers		*R						b	A	-	A
*A5.16.6.	Perform oil cooler vibration check	*R							b	A	-	-
*A5.16.7.	Balance engine output shaft	*R							b	A	-	
*A5.16.8.	Use 8500/VMS-DTU analyzer	*R							2b/b	A	-	-
A5.16.9.	Troubleshoot using 8500/VMS-DTU analyzer		*R						-	A	-	B

H-60 Specific Items

STS 2A5X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE: Items in column 1 marked with an (*) are the task/knowledge that are trained in resident wartime courses. Items in column 2 marked with an (*R) are not required by AFRC and ANG for upgrade.												
A6.	AIRCRAFT SUPPORT EQUIPMENT											
A6.1.	Perform pre-use inspection TR: AFOSH STD 127-9; TO 35A4 series											
*A6.1.1.	Maintenance stands TR: AFOSH STD 127-9; TO 35A4 series	*							2b	-	-	-
*A6.1.2.	Aircraft jacks TR: TO 35A 2	*							2b	A	-	-
*A6.1.3.	Nitrogen servicing equipment TR: TO 35D3 series	*							2b	A	-	-
*A6.1.4.	Hydraulic servicing cart TR: TO 35D29 series	*							2b	A	-	-
*A6.1.5.	Trailer/towbars TR: TO 35B5 series,35D series	*							2b	A	-	-
*A6.1.6.	Hoisting equipment TR: TO 35D4 series	*							2b	A	-	-
*A6.1.7.	Air transport kit TR: TO 1H-60(M)G-2-4 and TO 1H-53(M)J-39CL-1		*						b	A	-	-
*A6.1.8.	Engine wash cart TR: Applicable reference	*R							2b	A	-	-
*A6.1.9.	Low pressure air compressor TR: TO 34Y1 series	*							2b	A	-	-
*A6.1.10.	High pressure air compressor TR: TO 34Y1 series								2b	A	-	-
A6.1.11.	Portable generators TR: TO 35C2 series											
*A6.1.11.1.	A/M32A-86 generator	*							2b	A	-	-
*A6.1.11.2.	AGPU (H-53/H-60 only)								2b	A	-	-
*A6.1.12.	Ground heaters and blowers TR: TO 35E7 series	*							2b	A	-	-
*A6.1.13.	Portable lighting and equipment TR: TO 35F5 series	*							2b	A	-	-
A6.1.14.	3 system hydraulic test stand TR: TO 39 series								b	A	-	-
A6.2.	USE											
*A6.2.1.	Maintenance stands TR: AFOSH STD 127-9; TO 35A4 series	*							2b	-	-	-
*A6.2.2.	Aircraft jacks TR: TO 35A2 series	*							2b	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
				A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
*A6.2.3.	Nitrogen servicing equipment TR: TO 35D3 series	*							2b	A	-	-
*A6.2.4.	Hydraulic servicing cart TR: TO 35D5 series, 35D series	*							2b	A	-	-
*A6.2.5.	Trailer/tow bars TR: TOs 35B5 series, 35D series	*							2b	-	-	-
*A6.2.6.	Hoisting equipment TR: TOs 35B5 series, 35D series	*							2b	A	-	-
*A6.2.7.	Air transport kit TR: 1H-60(M)G-2-4 and TO 1H-53(M)J-39CL-1								a	A	-	-
*A6.2.8.	Engine washcart TR: As applicable	*R							2b	A	-	-
*A6.2.9.	Low pressure air compressor TR: TO 34Y1 series	*							2b	A	-	-
*A6.2.10.	High pressure air compressor TR: TO 34Y1 series								2b	A	-	-
A6.2.11.	Portable generators TR: TO 35C2											
*A6.2.11.1.	A/M32A-86 generator								2b	A	-	-
*A6.2.11.2.	AGPU (H-53/H-60 only)								2b	A	-	-
*A6.2.12.	Ground heaters and blowers TR: TO 35E7 series	*							2b	A	-	-
*A6.2.13.	Portable lighting equipment TR: TO 35F5 series	*							2b	A	-	-
A6.2.14.	3 System hydraulic test stand TR: TO 39E series								b	A		

STS 2A532A
H-53 MATRIX

NOTE 1: The column title Phase 3A of the following matrix identifies training in the resident course conducted at Fort Eustis VA, the column title Phase 3B identifies training received at Kirtland AFB, NM.

NOTE 2: All applicable safety requirements, inspection requirements, Technical Orders, Corrosion, FOD, FOP, use of aircraft support equipment, tools and hardware necessary to properly perform maintenance are integrated throughout Phase 3A and Phase 3B courses to the training level of associated tasks

NOTE 3: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued.

WEAPON SYSTEM	COURSE NUMBER	PDS CODE
H-53 (PHASE A)	**J3AQP2A532A 002**	**Z7T**
H-53 (PHASE B)	**J3ABP2A532A 002**	**Z7K**

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A4.1.1.1	Perform Major Isocronical Inspection	A	-
A4.1.1.2.	Perform Minor Isocronical Inspection	A	-
A4.1.1.3.	Home Station Checks	A	-
A4.1.1.4	Preflight	3c	-
A4.1.1.5.	Thruflight	3c	-
A4.1.1.6.	Basic Postflight	3c	-
A4.1.2.1	Acceptance Inspection	A	-
A4.1.2.2.	Calendar Inspection	A	-
A4.1.2.3.	Special Inspection	A	-
A4.1.2.4	Hourly Inspection	A	-
A4.2.1.	Use Interphone	2b	3c
A4.3.1.	Launch Helicopter	b	3c
A4.3.2.	Recover Helicopter	b	3c
A4.3.3.1.	Perform as Tow Team Member	2b	3c
A4.3.3.2.	Perform as Tow Brake Operator	2b	3c
A4.3.4.	Moor Helicopter	2b	-
A4.3.4.5.1.	Perform as Jacking Team Member	3c	-
A4.3.4.6.	Level Helicopter	2b	-
A4.3.4.7.	Load Helicopter	A	-
A4.3.4.8.	Disassemble Helicopter for Shipment	A	-
A4.3.4.9.	Reassemble Helicopter	A	-
A4.3.4.10.	Special Maintenance	A	-
A4.4.1.	Construction Features	A	-
A4.4.2.1.	R&I Airframe Components	3c	-
A4.4.2.2.	R&I Cockpit Seats	b	-
A4.5.1.	Landing Gear System Operation	A	-
A4.5.2.1.	Ops Check Landing Gear	2b	-
A4.5.2.2.	Ops Check Brakes	2b	3c
A4.5.3.1.	Service/Emer Extension System (Bottle)	3c	-
A4.5.3.2.	Service/Bleed Shock Strut	2b	-
A4.5.3.3.	Service/Tires	3c	-
A4.5.3.4	Service/Bleed Brakes	3c	-
A4.5.4.	Lubricate Landing Gear Components	2b	-
A4.5.6.1.	R&I Wheel/Tire Assemblies	3c	-
A4.5.6.2.	R&I Brake Assemblies	3c	-
A4.5.7.	Serviceability of Acft Tires	3c	-
A4.6.1.	Utility System Operation	B	-
A4.6.2.1.	Ops Check Hoist	2b	-
A4.6.2.2.	Ops Check Cargo Hook	2b	-
A4.6.2.3.	Ops Check Heat/Vent	2b	-
A4.6.2.4.	Ops Check Fire Detection	2b	-
A4.6.2.5.	Ops Check Windshield Wipers	2b	-
A4.6.2.6.	Ops Check Windshield Anti-Ice	2b	-
A4.6.2.7.	Ops Check Ramp and Cargo Door	2b	-
A4.6.2.8.	Ops Check Blade & Pylon Fold System	A	-
A4.6.3.1.	R&I Cargo Hook Components	2b	-
A4.3.3.3.1.	R&I Hoist Cable	A	-
A4.6.3.3.2.	R&I Hoist Hook	2b	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A4.6.3.7.	R&I Windshield Wiper System Comp	2b	-
A4.6.3.9.1.	R&I Blade Support Rods	a	-
A4.6.3.9.2.	R&I Centering Bearing	a	-
A4.6.3.9.3	R&I Blade Fold Lock Assembly	a	-
A4.6.3.9.4.	R&I Main Rotor Drive shaft Rotary	a	-
A4.6.3.9.5.	R&I Rotor Gust Lock	a	-
A4.6.3.9.6.	R&I Tail Rotor Drive shaft Rotary Coupling	a	-
A4.6.3.9.7.	R&I Blade Fold Valves	a	-
A4.6.3.9.8.	R&I Primary Servo Pitch Locks	a	-
A4.6.3.9.9.	R&I Blade/Pylon Fold Hydraulic Comp	a	-
A4.6.3.9.10.	R&I Tail Rotor Head Positioner CAM	a	-
A4.6.3.9.11.	R&I Blade/Pylon Fold Electrical Comps	a	-
A4.6.4.1.	Adjust Windshield Wiper Arm	2b	-
A4.6.4.2.	Adjust Cargo Hook Release	a	-
A4.6.5.2.	Service/Lubricate Hoist	2b	-
A4.6.6.1.	Forward Observer	a	-
A4.6.6.2.	Top Observer	a	-
A4.6.6.3.	Tail Observer	a	-
A4.7.1	Rotor Flight Control System Operation	A	-
A4.7.2	Ops Check Flight Control System	2b/1b	-
A4.7.3.1.	R&I Control Rods	2b	-
A4.7.3.2.	R&I Idlers	2b	-
A4.7.3.3.	R&I Pulleys	b	-
A4.7.3.4.	R&I Bellcranks	2b	-
A4.7.3.5.	R&I Control Stick	2b	-
A4.7.3.6.	R&I Centering Cylinder	2b	-
A4.7.3.7.	R&I Quadrants	b	-
A4.7.3.8.	R&I Cables	2b	-
A4.7.4.1.	Rig Main Rotor System	1b	-
A4.7.4.2.	Rig Tail Rotor System	1b	-
A4.7.5.1.	Quick Rig Main Rotor	1b	-
A4.7.5.2.	Quick Rig Tail Rotor	1b	-
A4.8.1.	Transmission System Operation	A	-
A4.8.2.	Drive System Operation	A	-
A4.8.3.	Transmission Oil System Operations	A	-
A4.8.4.	Adjust Transmission Oil System	a	-
A4.8.5.1.	Align Input Drive shaft	b	-
A4.8.5.2.	Align Tail Rotor Drive shaft	b	-
A4.8.5.3.	Align APP Drive shaft	b	-
A4.8.6.	Service Transmission System	3c	-
A4.8.7.	Service Drive System (Viscous Damper Bearing)	3c	-
A4.8.8.1.	R&I Accessory Gearbox	2b	-
A4.8.8.2.	R&I Main Gearbox	2b	-
A4.8.8.3.	R&I Intermediate Gearbox	2b	-
A4.8.8.4.	R&I Tail Gearbox	2b	-
A4.8.8.5.	R&I Oil Cooler and Blower	2b	-
A4.8.8.6.	R&I APP Drive shaft	2b	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A4.8.8.7.	R&I Input Drive shaft	2b	-
A4.8.8.8.	R&I Accessory Gearbox Drive shaft	2b	-
A4.8.8.9	R&I Oil Cooler Drive shaft	2b	-
A4.8.8.10.	R&I Tail Rotor Drive shaft	2b	-
A4.8.8.11.	Lubricate Tail Rotor Drive Shaft Disconnect Coupling	a	-
A4.8.8.12.	R&I Tail Rotor Drive shaft Disconnect Coupling	a	-
A4.8.8.13.	R&I Viscous Damper Bearing Accessory	1b	-
A4.8.8.14.	R&I Chip Detector	2b	-
A4.8.8.15.	R&I Main Gearbox Pump	b	-
A4.8.8.16.	R&I Main Gearbox Oil Filter/Screen	2b	-
A4.8.8.17.	R&I Gearbox Tach Generator	2b	-
A4.9.1.1.	Rotor System Operation	A	-
A4.9.1.2.	IBIS System Operation	A	-
A4.9.2.1.	R&I Rotor Head (Main)	2b	-
A4.9.2.2.	R&I Sleeve and Spindle	2b	-
A4.9.2.3.	R&I Dampers	2b	-
A4.9.2.4.	R&I Damper Accumulator	2b	-
A4.9.2.6.	R&I Pitch Control Rods	2b	-
A4.9.2.7.	R&I Rotor Blades	2b	-
A4.9.2.8.	R&I Swashplate Assembly	2b	-
A4.9.2.10.	R&I IBIS Detector	2b	-
A4.9.2.11.	R&I IBIS Indicator	2b	-
A4.9.2.12.	R&I Droop/Flap Stop Assembly	2b	-
A4.9.3.	Perform Pretrack Rig	1b	-
A4.9.4.	Perform Autorotation Adjustment	2b	-
A4.9.5.1.	Service Damper System	2b	-
A4.9.5.2	Service Sleeve/Spindle	2b	-
A4.9.5.3.	Service Blades	2b	-
A4.9.6.	Lubricate System Components	2b	-
A4.9.8.	Tail Rotor System Operation	A	-
A4.9.9.1.	R&I Blades	2b	-
A4.9.9.2.	R&I Tail Rotor Head and Components	2b	-
A4.9.10.	Service/Lubricate Tail/Rotor	2b	-
A4.10.1.	Hydraulic System Operation	A	-
A4.10.2.1.	Ops Check First Stage Hydraulic	2b/X	-
A4.10.2.2.	Ops Check Second Stage Hydraulic	2b/X	-
A4.10.2.3.	Ops Check Utility Hydraulic System	2b	-
A4.10.2.4.	Ops Check Rotor Brake	2b	-
A4.10.3.1.	R&I Primary Servos	2b	-
A4.10.3.2.	R&I AFSC Servos	b	-
A4.10.3.3.	R&I Manifold	b	-
A4.10.3.4.	R&I Pumps	2b	-
A4.10.3.5.	R&I Filters	2b	-
A4.10.3.6.	R&I Rotor Brake	2b	-
A4.10.3.7.	R&I Tail Rotor Servo	1b	-
A4.10.4.	Service Reservoirs	3c	-
A4.11.1.	Turboshaft Engine Operation	B	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A4.11.2.1.	Ignition System Operation	B	-
A4.11.2.2.	Fuel System Operation	B	-
A4.11.2.3.	Oil System Operation	B	-
A4.11.2.4.	Engine Air Particle Separator System Ops	B	-
A4.11.2.5.	Engine Actuating System Operation	B	-
A4.11.2.6.	Anti-Icing System Operation	B	-
A4.11.3.1.	R&I Oil Pressure Switch	2b	-
A4.11.3.2.	R&I Oil Quantity Switch	2b	-
A4.11.3.3	R&I Ignition Unit	2b	-
A4.11.3.4.	R&I Igniter Plug	3c	-
A4.11.3.5.	R&I Tail Pipe	3c	-
A4.11.3.6.	R&I Engine Chip Detector	3c	-
A4.11.3.7.	R&I Air Particle Separator	2b	-
A4.11.3.8.	R&I Engine	b	-
A4.11.3.9.	R&I Engine Inlet	b	-
A4.11.3.11.	R&I Fuel Control	b	-
A4.11.4.	Service Engine Oil System	3c	-
A4.11.6.	Take Engine Oil Samples {JOAP}	3c	-
A4.11.7.	Clean Engine Compressor	b	-
A4.12.1.	Fuel System Operation	A	-
A4.12.2.1.	Ops Check Main Fuel System	2b	-
A4.12.2.2.	Ops Check Auxiliary Fuel System	2b	-
A4.12.2.3.	Ops Check Inflight Fuel System	2b	-
A4.12.3.1.1.	Perform as Pressure Refuel Team Member	2b	3c
A4.12.3.2.1.	Perform as Gravity Refuel Team Member	b	-
A4.12.4.1.1.	Perform as Pressure Defuel Team Member	b	-
A4.12.4.2.1.	Perform as Gravity Defuel Team Member	b	-
A4.12.5.	Prepare Helo for Fuel Cell Maintenance	b	-
A4.12.6.1.	R&I Filters	3c	-
A4.12.6.2.	R&I Auxiliary Tanks	2b/b	-
A4.12.6.3.	R&I A/R Probe Components	2b	-
A4.12.6.5.	R&I Bleed Air Selector Valve	2b	-
A4.12.6.7.	R&I A/R Probe	A	-
A4.13.1.	Electrical System Operation	A	-
A4.13.2.1.	Ops Check AC Electrical Power System	A	-
A4.13.2.2.	Ops Check DC Electrical Power System	A	-
A4.13.2.3.	Ops Check Interior Light Systems	3c	-
A4.13.2.4.	Ops Check Exterior Light Systems	3c	-
A4.13.3.1.	R&I Batteries	a	-
A4.13.3.2.	R&I Generator	2b	-
A4.13.3.3.	R&I Current Limiter	a	-
A4.13.3.4.	R&I Transformer Rectifier	a	-
A4.13.3.5.	R&I Landing/Search Light	2b	-
A4.13.4.	Connect/Apply Ext Elect Power	2b	3c
A4.13.5.	Disconnect External Elect Power	2b	3c
A4.14.1.	Instrument System Operation	A	-
A4.14.2.	Remove Instruments	2b	-
A4.14.3.	Install Instruments	2b	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A4.14.4.	Drain Pitot-Static System	1b	-
A4.14.5.	Ops Check AFCS System	A	-
A4.15.1.	APP Assembly Operation	A	-
A4.15.2.1.	R&I Clutch	2b	-
A4.15.2.2.	R&I Hydraulic Starter	b	-
A4.15.2.3.	R&I APP Assembly	b	-
A4.15.2.4.	R&I APP Igniter Plug	2b	-
A4.15.2.5.	R&I APP Accumulator	2b	-
A4.15.3.	Operate APP	2b	-
A4.15.4.	Adjust APP Fuel Control	b	-
A4.15.5.1.	Service Oil Tank	3c	-
A4.15.5.2.	Service Accumulator	3c	-
A4.16.1.	Track and Balance Main Rotor Dynamically	1b	-
A4.16.2.	Track and Balance Tail Rotor Dynamically	1b	-
A4.16.5.	Adjust Main Rotor Blades	2b	-
A4.16.6.	Adjust Tail Rotor Blades	2b	-
A4.16.7.1.	Use 8500/VMS-DTU Analyzer	1b	-
A6.1.1.	Pre-use Inspection on Maintenance Stands	2b	3c
A6.1.5.	Pre-use Inspection on Trailer/Towbars	2b	3c
A6.1.11.1.	Pre-use Inspection on A/M32A-86 Generator	2b	3c
A6.2.1.	Use Maintenance Stands	2b	3c
A6.2.5.	Use Trailer/Towbars	2b	3c
A6.2.11.2.	Use A/M32A-86 Generator	2b	3c

STS 2A532B
H-60 MATRIX

NOTE 1: The column title Phase 3A of the following matrix identifies training in the resident course conducted at Fort Eustis VA, the column title Phase 3B identifies training that will be received at a location to be determined.

NOTE 2: All applicable safety requirements, inspection requirements, Technical Orders, Corrosion, FOD, FOP, use of aircraft support equipment, tools and hardware necessary to properly perform maintenance are integrated throughout Phase 3A and Phase 3B courses to the training level of associated tasks

NOTE 3: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued.

NOTE 4: Many tasks in this matrix are identified with a proficiency code and then a "/X", indicating a need to train these tasks with no current capability at Fort Eustis primarily due to time constraints. These tasks have been identified as training deficiencies to HQ AETC and will be trained as soon as the capability exists.

WEAPON SYSTEM	COURSE NUMBER	PDS CODE
H-60 (PHASE A)	**J5ABA2A532B 000**	**XKF**
H-60 (PHASE B)	**J3ABP2A532B 000**	**TBD**

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.1.3.	Perform 10 Hr/14 Day Inspection	2b	3c
A5.1.5.	Perform 500 Hour Periodic	a	-
A5.1.6.1.	Perform Acceptance Inspection	a	-
A5.1.6.2.	Perform Calendar Inspection	a	-
A5.1.6.3.	Perform Special Inspection	a	-
A5.1.6.4.	Perform Hourly Inspection	a	-
A5.2.1.	Use Interphone	a	3c
A5.3.1.	Launch Helicopter	b	3c
A5.3.2.	Recover Helicopter	b	3c
A5.3.3.1.	Perform as Tow Team Member	2b	3c
A5.3.3.2.	Perform as Tow Brake Operator	b	3c
A5.3.3.3.	Perform as tow vehicle operator	b	-
A5.3.4.	Moor Helicopter	b	-
A5.3.5.1.	Perform as jacking team member	2b	-
A5.3.6.	Level helicopter	2b	-
A5.3.7.	Load Helicopter on transport vehicles	A	-
A5.3.8.	Dissemble helicopter for air shipment	A	-
A5.3.9.	Reassemble helicopter after air shipment	A	-
A5.3.10.	Perform special maint due to adverse weather	A	-
A5.4.1.	Constructional Features	A	-
A5.4.2.1.	R & I cowling, panels, doors	2b	-
A5.4.2.3.	R & I Windshield/windows	a	-
A5.4.2.5.	R & I Vibration absorber	2b	-
A5.4.3.	Fold pylon	A	-
A5.5.1.	Landing gear operation	A	-
A5.5.2.1.	Perform tail lock actuator ops check	2b	-
A5.5.2.2.	Operational Check Brakes	2b	3c
A5.5.3.1.	Service/bleed shock strut	2b	-
A5.5.3.2.	Service/Bleed Tires	2b	3c
A5.5.3.3.	Service/bleed brakes	2b	-
A5.5.4.	Lubricate landing gear components	2b	-
A5.5.6.1.	R & I wheel and tire assembly	2b	-
A5.5.6.2.	R & I brakes assembly	2b	-
A5.5.6.3.1.	R & I shock strut	b	-
A5.5.6.3.2.	R & I tail landing gear yoke	b	-
A5.5.6.3.3.	R & I tail landing gear fork	b	-
A5.5.6.3.4.	R & I Drag beam	b	-
A5.5.7.	Determine Serviceability of Tires	2b	3c
A5.5.8.1.	Troubleshoot landing gear system	b	-
A5.5.8.2.	Troubleshoot brake system	b	-
A5.6.1.	Utility system operation	B	-
A5.6.2.1.	Perform ops check of hoist	2b/b	-
A5.6.2.2.	Perform ops check of cargo hook	2b	-
A5.6.2.3.	Perform ops check of heating and ventilating	2b	-
A5.6.2.4.	Perform ops check of fire detection	2b	-
A5.6.2.5.	Perform ops check of windshield wiper	2b	-
A5.6.2.6.	Perform ops check of windshield anti-ice	2b	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.6.3.1.	R & I cargo hook components	2b	-
A5.6.3.3.1.	R & I hoist cable	b	-
A5.6.3.3.2.	R & I hoist hook	b	-
A5.6.3.4.	R & I Heating and ventilating sys components	b	-
A5.6.3.5.	R & I fire detection sys components	2b	-
A5.6.3.6.	R & I windshield anti-ice sys components	b	-
A5.6.3.7.	R & I windshield wiper sys components	2b	-
A5.6.4.1.	Adjust windshield wiper arm	2b	-
A5.6.5.1.	Service/lubricate hoist	2b/b	-
A5.7.1	Rotor system operation	A	-
A5.7.2.	Ops check flight control system	2b	-
A5.7.3.1.	R & I control rods	2b	-
A5.7.3.2	R & I idlers	2b	-
A5.7.3.3.	R & I pulleys	2b	-
A5.7.3.4.	R & I bellcranks	2b	-
A5.7.3.5.	R & I control stick	2b	-
A5.7.3.6.	R & I spring cylinder	2b	-
A5.7.3.7.	R & I quadrants	2b	-
A5.7.3.8.	R & I cables	2b	-
A5.7.3.9.	R & I stabilator	2b	-
A5.7.3.10.	R & I stabilator actuator	2b	-
A5.7.4.1.	Rig main rotor	1b	-
A5.7.4.2.	Rig tail rotor	1b	-
A5.7.5.	Four point rig	1b	-
A5.7.6.	Lubricate flight controls	1b	-
A5.8.1.	Transmission system operation	A	-
A5.8.2.	Drive system operation	A	-
A5.8.3.	Transmission oil system operation	A	-
A5.8.4.	Adjust Transmission oil system	a	-
A5.8.5.1.	Align tail drive shaft	b	-
A5.8.5.2.	Align engine output drive shaft	1b	-
A5.8.6.	Service transmission system	b	-
A5.8.7.	Service drive system	b	-
A5.8.8.1.	R & I accessory module	2b	-
A5.8.8.2.	R & I main module	b	-
A5.8.8.3.	R & I intermediate gearbox	2b	-
A5.8.8.4.	R & I tail gearbox	2b	-
A5.8.8.5.	R & I oil cooler and blower	b	-
A5.8.8.6.	R & I engine output drive shaft	2b	-
A5.8.8.7.	R & I tail drive shaft	2b	-
A5.8.8.8.	R & I viscous damper bearing assembly	2b	-
A5.8.8.9.	R & I chip detector	2b	-
A5.8.8.11.	R & I main gearbox oil filter and screen	2b	-
A5.8.8.12.	R & I input module	2b	-
A5.9.1.1	Rotor system operation	A	-
A5.9.1.2.	BIM system operation	A	-
A5.9.1.3.	Blade deicing operation	A	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.9.2.1.	R & I rotor head	2b	-
A5.9.2.2.	R & I spindle	2b	-
A5.9.2.3.	R & I dampers	2b	-
A5.9.2.4.	R & I pitch control rods	2b	-
A5.9.2.5.	R & I rotor blades	2b	-
A5.9.2.6.	R & I swashplate assembly	2b	-
A5.9.2.7.	R & I shaft extension	2b	-
A5.9.2.8.	R & I bifilar/weights	2b	-
A5.9.2.9.	R & I elastomeric bearing	2b	-
A5.9.2.10.	R & I BIM indicator	2b	-
A5.9.2.11.	R & I blade de-icer components	2b	-
A5.9.2.12.	R & I droop/flap stop	2b	-
A5.9.3.	Perform pretrack rig	2b	-
A5.9.4.	Perform autorotation adjustment	2b	-
A5.9.5.1.	Service damper system	2b	-
A5.9.5.2.	Service blades	2b	-
A5.9.6.	Lubricate system components	2b	-
A5.9.8.1.	Tail rotor system operation	A	-
A5.9.8.2.	Tail rotor de-ice operation	A	-
A5.9.9.1.	R & I paddles	2b	-
A5.9.9.2.	R & I inner retention plate	2b	-
A5.9.9.3.	R & I tail rotor de-ice	b	-
A5.9.9.4.	R & I tail rotor pitch control rods	2b	-
A5.10.1.	Hydraulic system operation	A	-
A5.10.2.1.	Ops check #1 hydraulic system	2b	-
A5.10.2.2.	Ops check #2 hydraulic system	2b	-
A5.10.2.3.	Ops check rotor brake	b	-
A5.10.2.4.	Ops check backup hydraulic system	2b	-
A5.10.3.1.	R & I primary servos	2b	-
A5.10.3.2.	R & I pilot assist servos	b	-
A5.10.3.3.	R & I manifold	2b	-
A5.10.3.4.	R & I pump module	2b	-
A5.10.3.5.	R & I pilot assist module	2b	-
A5.10.3.6.	R & I transfer module	2b	-
A5.10.3.7.	R & I utility module	2b	-
A5.10.3.8.	R & I filters	2b	-
A5.10.3.9.	R & I rotor brake	b	-
A5.10.3.10.	R & I tail rotor servo	2b	-
A5.10.4.1.	Service reservoirs	2b	-
A5.10.4.2.	Service APU accumulator	2b	-
A5.11.1	Turboshaft engine operation	B	-
A5.11.2.1	Ignition system operation	B	-
A5.11.2.2.	Fuel system operation	B	-
A5.11.2.3.	Oil systems operation	B	-
A5.11.2.4.	Inlet particle separator operation	B	-
A5.11.2.5.	IGV actuating system operation	B	-
A5.11.2.6.	Anti-icing operation	B	-
A5.11.3.1.	R & I oil pressure switch	2b	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.11.3.3.	R & I ignitor unit	2b	-
A5.11.3.4.	R & I ignitor plug	2b	-
A5.11.3.5.	R & I exhaust module/pipe	2b	-
A5.11.3.6.	R & I chip detector	2b	-
A5.11.3.7.	R & I inlet particle separator	2b	-
A5.11.3.8.	R & I engine	2b	-
A5.11.3.9.	R & I engine inlet	2b	-
A5.11.3.10.	R & I anti-ice components	2b	-
A5.11.3.11.	R & I start bleed valve	2b	-
A5.11.3.12.	R & I filters and screens	2b	-
A5.11.3.14.	R & I electrical/digital control unit	2b	-
A5.11.3.15.	R & I hydromechanical unit	2b	-
A5.11.4.	Service engine oil system	2b	-
A5.11.6.	Clean engine compressor	b	-
A5.11.7.	Rig engine controls	b	-
A5.12.1.	Fuel system operation	A	-
A5.12.2.1.	Ops check main duel system	b	-
A5.12.2.2.	Ops check auxiliary fuel system	b	-
A5.12.2.3.	Ops check inflight fuel system	2b/b	-
A5.12.3.1.1.	Perform as Pressure Refuel Team Member	b	3c
A5.12.3.2.1.	Perform as gravity refuel member	b	-
A5.12.4.1.1.	Perform as pressure defuel team member	b	-
A5.12.4.2.1	Perform as gravity defuel team member	b	-
A5.12.5.	Prepare helicopter for fuel cell maintenance	a	-
A5.12.6.1.	R & I auxiliary tanks	b	-
A5.12.6.2.	R & I A/R probe	2b/b	-
A5.12.6.3.	R & I transfer pump	b	-
A5.12.6.6.	R & I boost pump	a	-
A5.12.6.7.	R & I breakaway valve	2b	-
A5.12.6.8.	R & I A/R probe	A	-
A5.12.6.9.	R & I probe management package	b	-
A5.12.6.10.	R & I fuel management package	b	-
A5.13.1.	Electrical system operation	A	-
A5.13.2.1	Ops check AC electrical power system	2b	-
A5.13.2.2	Ops check DC electrical power system	2b	-
A5.13.2.3	Ops check interior light system	2b	-
A5.13.2.4	Ops check exterior light system	2b	-
A5.13.3.1	R & I battery	2b	-
A5.13.3.2.	R & I generator	2b	-
A5.13.3.3.	R & I current limiter	a	-
A5.13.3.4.	R & I converter	a	-
A5.13.3.5.	R & I generator control unit	2b	-
A5.13.3.6.	R & I relay panel	2b	-
A5.13.3.7.	R & I landing/search light	2b	-
A5.13.4.	Connect Electrical Power	2b	3c
A5.13.5.	Disconnect Electrical Power	2b	3c
A5.14.1.	Instrument system operation	A	-
A5.14.2.	Remove instruments	1a	-

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A5.14.3.	Install instruments	1a	-
A5.14.5.	Ops check instrument and AFCS system	b	-
A5.14.6.	R & I a signal data converter	b	-
A5.15.1.	APU theory of operation	A	-
A5.15.2.1.	R & I hydraulic starter	1a	-
A5.15.2.2.	R & I APU assembly	2b	-
A5.15.2.3.	R & I electrical sequencing unit	2b	-
A5.15.2.4.	R & I APU ignitor plug	2b	-
A5.15.2.5.	R & I APU ignitor start fuel nozzle	2b	-
A5.15.2.6.	R & I APU accumulator	2b	-
A5.15.3.	Operate APU	b	-
A5.15.4.	Service APU oil tank	a	-
A5.16.1.	Track and balance main rotor dynamically	1a/x	-
A5.16.2.	Balance tail rotor dynamically	1a/x	-
A5.16.3.	Adjust main rotor blades	2b	-
A5.16.4.	Adjust tail rotor blades	2b	-
A5.16.5.	Tune vibration absorbers	b	-
A5.16.6.	Perform oil cooler vibration check	b	-
A5.16.7.	Balance engine output shaft	b	-
A5.16.8.1	Use 8500/VMS-DTU analyzer	2b/b	-
A6.1.1.	Pre-use Inspection on Maintenance Stands	2b	3c
A6.1.2.	Aircraft jacks pre-use inspection	2b/X	
A6.1.3.	Perform pre-use inspection on nitrogen servicing equipment	2b/X	
A6.1.4.	Perform pre-use inspection on hydraulic servicing cart	2b/X	
A6.1.5.	Pre-use Inspection on Trailer/Towbars	2b/b	3c
A6.1.6.	Perform pre-use inspection on hoisting equipment	2b/X	
A6.1.7.	Perform pre-use inspection on air transport kits	b/X	
A6.1.8.	Perform pre-use inspection on engine wash cart	2b/X	
A6.1.9.	Perform pre-use inspection on low pressure air compressor	2b/X	
A6.1.10.	Perform pre-use inspection on high pressure air compressor	2b/X	
A6.1.11.1.	Pre-use Inspection on A/M32A-86 Generator	2b	3c
A6.2.1.	Use Maintenance Stands	2b	3c
A6.2.2.	Use aircraft jacks	2b/X	
A6.2.3.	Use nitrogen servicing equipment	2b/X	
A6.2.4	Use hydraulic servicing cart	2b/X	
A6.2.5.	Use trailer/tow bars	2b/X	
A6.2.6.	Use hoisting equipment	2b/X	
A6.2.7.	Use air transport kit	a/X	
A6.2.8.	Use engine wash cart	2b/X	
A6.2.9.	Use low pressure air compressor	2b/X	
A6.2.10.	Use high pressure air compressor	2b/X	
A6.2.11.2.	Use A/M32A-86 generator	2b	3c

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective consists of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives use the PC code which indicates a progress check is used to measure subject or task knowledge. W indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. PC/W indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard. The standard of written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each students progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the '2b' proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the '3c' proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objectives. A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to 362 TRS/RF-TM, 613 10TH Avenue, Sheppard AFB TX 76311-2352 or contact the OPR by telephone at DSN 736-5205.
7.1. **Course J5ABA2A532B 000, UH-60 (ITRO)** helicopter training (US Army, USAF) at Ft Eustis VA. Training includes helicopter familiarization, airframe systems, ground handling, landing gear systems, utility system, hydraulic systems, electrical systems, communication equipment, instrument systems, fuel systems, powerplant systems, auxiliary power unit, rotor system, transmission and drive system, flight control systems, aircraft vibrations, aircraft support equipment, maintenance management, technical publications, core automated maintenance system (CAMS), periodic and supplemental aircraft inspections and helicopter servicing.

7.2. **Course J3ATP2A532 000, Helicopter Maintenance Apprentice (Fundamentals)** includes fundamentals for mechanics with emphasis on the maintenance and inspection of helicopters used the Air Force. Aircraft and flightline practices, use of tools, aircraft support equipment, and care and use of special tools. Course covers corrosion identification and cleaning, maintenance management and aircraft inspections and maintenance systems. Use of technical orders, core automated maintenance system (CAMS), publications, and maintenance forms are also covered. Limited training is taught on the H-1 and H-53 airframe and helicopter systems. Course is taught at Ft Eustis VA and feeds two courses; H-1 and H-53 apprentice courses.
7.3. **Course J3ABP2A532C 001, Helicopter Maintenance Apprentice (UH-1N)** includes helicopter fundamentals course and training of H-1 specific training at Ft Eustis VA. Training includes, but is not limited to, helicopter familiarization, airframe components, ground handling and ground handling wheels, landing gear system, utility system, hydraulic system, electrical, radio and instrument systems, fuel system, powerplant systems, main and tail rotors, transmission system, flight control systems, aircraft vibrations, phase and supplemental aircraft inspections, and servicing.
7.4. **Course J3AQP2A532A 002, Helicopter Maintenance Apprentice (H-53 MRT)** includes helicopter fundamentals course, and H-53 helicopter specific "cold" training at Ft Eustis. Training includes helicopter familiarization, airframe components, ground handling, fuel system, electrical system, utility systems, landing gear system, wheel, tire, and brake system, main rotor system, transmission system, flight control system, flight control rigging, blade tracking and balancing and aircraft vibrations, isochronal and supplemental aircraft inspection, servicing, and task certification.
7.5. **J3ABP2A532A 002, Helicopter Maintenance Apprentice (H-53 MRT)** includes working on an active flightline. The course provides task certification on inspections (pre-flights, BPOs), launching, recovering, towing, and refueling operational aircraft. Training is conducted at Kirtland AFB, NM.
7.6. **J3ACR2A572 000, Helicopter Maintenance Craftsman Course** includes training on maintenance of training records, logistics management, and maintenance accountability. Troubleshooting procedures for the utility, hydraulic, power plant, transmission, rotor, flight control and fuel systems are also included.

Section C - Support Material

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. For further information on the following courses, contact the OPR at:

333 TRS/TTCQS
601 D Street
Keesler AFB, MS 39534-2229
DSN 597-5893

782 TRG
826 Avenue G Suite 4
Sheppard AFB, TX 76311-2867
DSN 736-2568

Course Number	Course Title	Developer
*AFQTP 2EXXX-201L	Workcenter Managers Handbook	333 TRS
*AFQTP 2EXXX-201LB	C-E Managers Handbook	333 TRS
ECI Specialized Course 1200	Air Force Technical Orders	782 TRG
*AFQTP 2EXXX-201G	Maintenance Support	333 TRS
*AFQTP 2EXXX-201P	TMDE Management	333 TRS
*AFQTP 2EXXX-201J	Maintenance Training Program	333 TRS

*Courses can be downloaded from 333 TRS home page at:
http://www.kee.aetc.af.mil/333trs/qflight

Section D - Training Course Index:

9. Purpose: This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

362 TRS/RF-TM
613 10TH Avenue
Sheppard AFB TX 76311-2352
DSN 736-5205.

10. Air Force In-Resident Courses.

COURSE NO.	COURSE TITLE	LOCATION	USER
J5ABA2A532B 000 600-67T10-ITRO	UH-60 Helicopter Repairer (ITRO)	Ft Eustis VA	USAF/USA
J3ATP2A532 000	Helicopter Maintenance Apprentice (FUND)	Ft Eustis VA	USAF H-1/H-53
J3ABP2A532C 001	Helicopter Maintenance Apprentice (UH-1N)	Ft Eustis VA	USAF
J3AQP2A532A 002	Helicopter Maintenance Apprentice (H-53 MRT)	Ft Eustis VA	USAF
J3ABP2A532A 002	Helicopter Maintenance Apprentice (H-53 MRT)	Kirtland AFB	USAF

11. Extension Course Institute (ECI) Courses.

362 TRS/TRR
613 10th Avenue
Sheppard AFB TX 76311-2352
DSN 736-5205.

COURSE NO.	COURSE TITLE	User
CDC 2A552	Helicopter Maintenance Journeyman	USAF

12. Exportable Courses.

For further information on the following exportable courses, contact the OPRs at:

AETC/TRSS
6058 Aspen Ave
Hill AFB, UT 84056-5805
DSN 777-7830/8741

362 TRS/TRR
613 10th Ave
Sheppard AFB, TX 76311-2352
DSN 736-5206

The Hill AFB course catalog can be ordered from DSN 777-0160.

COURSE NO.	COURSE TITLE	OPR	User
00TVT0000	FOD Prevention (VHS tape)	AETC/TRSS	AF
00TVT0001	Safety and Radio Frequency (RF) Radiation (VHS tape)	AETC/TRSS	AF
00TVT0001V1	Troubleshooting Techniques (ICW)	AETC/TRSS	AF
00TTV0002	Aerospace Ground Equipment Training (ICW)	AETC/TRSS	AF
00TCB0002V1	Multimeter Familiarization (ICW)	AETC/TRSS	AF
00TIV0007	Potential Hazards of Oxygen Enriched Environments (VHS tape)	AETC/TRSS	AF
00CIV0008	Use and Care of Type III Torque Wrenches (ICW)	AETC/TRSS	AF
00CVT0009	Torque Wrench, Use and Care (VHS tape)	AETC/TRSS	AF
00TVT0011	Cold Weather Indoctrination (VHS tape)	AETC/TRSS	AF
00CVT0012	Manual Acft Snow Removal (VHS tape)	AETC/TRSS	AF
00TVT0017V1	General Aircraft Corrosion Control (VHS tape)	AETC/TRSS	AF
00TIV1000	Aircraft Marshaling (ICW)	AETC/TRSS	AF
01SIV8971V5.1.1	-86 Diesel Power Unit Operation (ICW)	AETC/TRSS	AF
00SIV8972	MA-3D Air Conditioner Operation (ICW)	AETC/TRSS	AF
COURSE NO.	COURSE TITLE	OPR	User

00TVT0015	Installation of Aircraft Switch Guards	AETC/TRSS	AF
J6ANU2A5X2 004	Helicopter Weight and Balance (CBT)	362 TRS	AF
J6AZU2E066 038	Air Force Technical Order (T.O.) System (Gen)	362 TRS	AF
J6AZU2E066 039	Air Force Technical Order (T.O.) System (Gen) (Adv)	362 TRS	AF
J6AZU2E066 058	Air Force Maintenance Data Collection System (CAMS)	362 TRS	AF
J6AZU2E066 059	Air Force Maintenance Data Collection System (CAMS)	362 TRS	AF
J6AZU2E066 061	Air Force Maintenance Data Collection System (CAMS) Operators Course (Intro)	362 TRS	AF
J6AZU2E066 062	Air Force Maintenance Data Collection System (CAMS) Mid Level Maintenance Mgrs	362 TRS	AF

13. Training Detachment (TD) Courses.

For further information on the TD courses, contact the OPRs at:

373 TRS/TRR
912 I Avenue, Suite 2
Sheppard AFB TX 76311-2362
DSN 736-4751.

COURSE NO.	COURSE TITLE	OPR	User
J4AMF/ASF/AST 2A5X2 007	H-1N Helicopter Maintenance	373 TRS	AF
J4AMF/ASF/AST 2A5X2 001	H-53 Helicopter Maintenance	373 TRS	AF
J4AMF/ASF/AST 2A5X2 006	H-60 Helicopter Craftsman	373 TRS	AF

14. Courses Under Development/Revision

COURSE NO.	COURSE TITLE	LOCATION	USER
CDC 2A572	Helicopter Maintenance Craftsman	Ft Eustis VA	AF
J3ACR2A572 000	Helicopter Maintenance Craftsman	Sheppard AFB	2A5X2
J3ABP2A532B 000	Helicopter Maintenance Apprentice (H-60 MRT)	TBD	AF

Section E - MAJCOM Unique Requirements

15. There are currently no MAJCOM unique requirements. This area is reserved.